

AG-BU-2291-1988

**Minnesota Extension Service
University of Minnesota**

Data From:

**Becker
Cedar Creek
Cloquet
Grand Rapids
Haverhill
Lamberton
Morris
Newburg
Rosemount
St. Paul
Staples
Waseca
Westport**

C.A.W.A.P.*

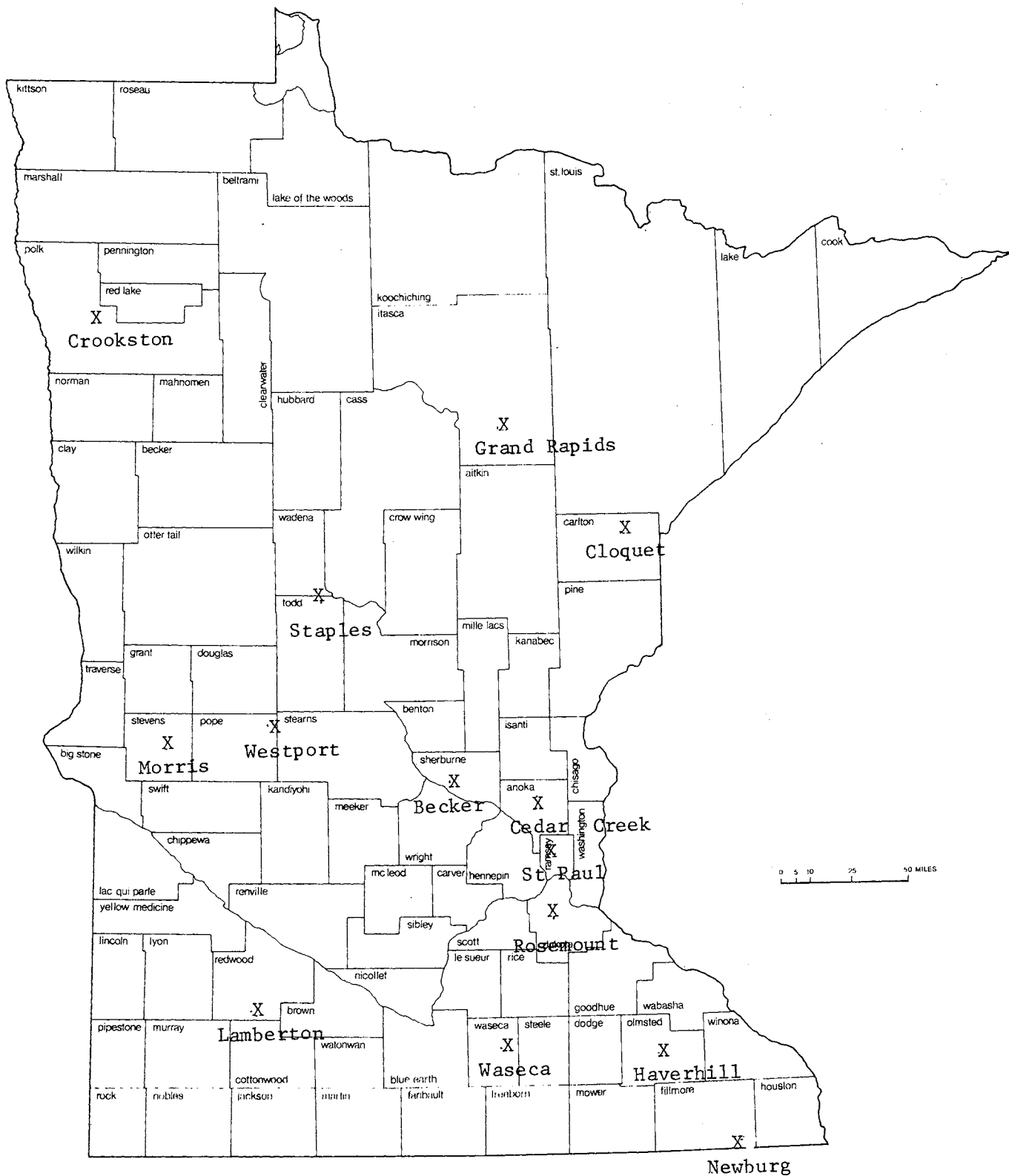
**1987 Crop Season
Climatic Data
University of Minnesota
Field Research Locations**

***University of Minnesota Cooperative
Agricultural Weather Advisory Program**

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WEATHER STATION LOCATIONS



UNIVERSITY OF MINNESOTA FIELD RESEARCH LOCATIONS
1987 GROWING SEASON CLIMATIC DATA

The following data characterize the environmental conditions during the 1987 growing season at 14 research sites operated by the University of Minnesota Institute of Agriculture, Forestry, and Home Economics and the College of Biological Sciences. These data were collected using standard sets of manual and electronic instrumentation placed in the field in such a way as to represent the general environment at each research location. Efforts were made to standardize instrument types, placement, orientation, and frequency of readings such that valid comparisons between locations could be made.

The following list of codes describes the types of environmental measurements made at each location and listed on subsequent pages:

CODE	DESCRIPTION
MAX AIR TEMP	maximum air temperature in degrees Celsius from a sheltered thermistor placed 1.5 meters above the ground.
MIN AIR TEMP	minimum air temperature in degrees Celsius from a sheltered thermistor placed 1.5 meters above the ground.
PRE	total precipitation in millimeters from a standard National Weather Service stick gauge.
PAN	total evaporation in millimeters from a standard National Weather Service evaporation pan.
SOL	solar energy flux density, or incident shortwave radiation received on a horizontal surface, expressed as kilowatt-hours/square meter (kWhr/m ²).
RH MAX	maximum relative humidity (%).
RH MIN	minimum relative humidity (%).
ACCUM D.D.	accumulated degree days above a specified base temperature value (4.44, 7.22, 10, or 10/30 degrees C).
MAX SOIL TEMP	soil maximum temperature in degrees Celsius at noted depth (5, 10, or 20 cm) under bare surface conditions.

MIN SOIL TEMP	soil minimum temperature in degrees Celsius at noted depth (5, 10, or 20 cm) under bare surface conditions.
WIND SPD	mean wind speed at a height of 3 meters, expressed as meters per second (m/sec).
VECT MAG	vector wind speed (from the dominant direction at a height of 3 meters). This can be considered as a trajectory speed for airborne materials or organisms. Expressed as m/sec.
VEC DIR	dominant wind direction or trajectory in degrees (0 to 360). Measured at a height of 3 meters.
VEC STD	standard deviation in wind direction, expressed in degrees.
LF WT	an index for the occurrence and duration of leaf wetness caused by formation of dew, fog, or precipitation. This index will range from 0 to 100. A value of 0 indicates dryness throughout the day, while a value of 100 indicates a wet surface all day. Thus, a value of 50 would indicate that wetness persisted for half of the day, or 12 hours. This sensor was placed at a height of 0.5 meters.
VAP PR	mean vapor pressure, or partial pressure due to the presence of water vapor in the air. Expressed as kilopascals (kPa) and measured at a height of 1.5 meters.
VAP PRES DEF	vapor pressure deficit, or the difference between mean vapor pressure (e) and the total vapor pressure possible (e_s) if the air were saturated at the mean ambient temperature. Expressed as kilopascals (kPa) and measured at 1.5 meters.

Monthly temperatures, precipitation, and degree days, including departures from normal, are summarized in Tables 1 through 6. Figures 1 through 14 use the common units of measurement to illustrate daily maximum and minimum temperatures from the 1987 growing season, the 30 year temperature normals and the daily precipitation data. Daily observations at each location for the period April 1 through October 31 follow on subsequent pages. Monthly means or totals for each type of measurement are shown following the end of the month. Missing

values are noted and may be due to a number of problems related to instrument installation, malfunction of the data logging equipment, or transmission error during computer processing. An asterick is used following dates when data shown represent manual observations recorded from standard National Weather Service instruments which differed in some way from the standard set of electronic instruments used to make measurements on most dates. Data marked by an asterick also differ in the time of observation. At Rosemount and St Paul manual observations were made at or near 5 pm each day. Such measurements were made at 4 pm at Cloquet. All other sites recorded manual observations at 8 am. For dates listed without an asterick, electronic measurements were made and summarized as means or totals on a midnight to midnight basis. Other discrepancies and inconsistencies in the data are explained in the notes on page 4.

This publication is intended to provide researchers with sufficient environmental data to interpret the physical or biological responses which are being researched in each respective field setting. Undoubtedly, there are many other applications of these data. Since the major objective is to provide a data source for university researchers, all measurements are expressed in standard scientific units. For conversion factors to other units of measure or for questions related to interpretation of these data, users can call the Minnesota Extension Service Climatology Office (625-4724).

Acknowledgements: The authors wish to express their appreciation to the personnel of the University of Minnesota who helped to maintain the equipment used and who so diligently collected data throughout the year. Special thanks are expressed to the following individuals:

Personnel	Location
Mel Wiens/Shelly Notch/Roxanne Lundeen	Staples
Glenn Titrud/Tony Schenk	Becker
Karen Schuller/Clifford Wilcox	Rosemount
Vernon Ferch/Brian Anderson/Arielle Balak	Waseca
Tony Strasser/Ramona Creighton/Carol Theis and Mary Arnoldi	Lamberton
Sam Evans/Jean Spohr/Gregg Regimbal	Morris
John Lamb/Janet Solheim	Crookston
Staff of the Grand Rapids Experiment Station and the USDA Forestry Lab	Grand Rapids
Ron Severs/Phyllis Bakka	Cloquet
Climatology Staff of the Soil Science Dept.	St Paul
David Bosanko	Cedar Creek
Steve Lawler/Water Quality Research Center	Haverhill

We also wish to acknowledge the generous contributions from the Minnesota Wheat Research and Promotion Council, the Minnesota Soybean Research and Promotion Council, Northern States Power, Sugarbeet Research and Education Board, and the Minnesota Crop Improvement Association.

NOTES

1. Temperature and degree day normals shown in Tables 1, 3, 4, 5, and 6 were corrected for bias due to time of observation and represent values based on a midnight to midnight observation cycle. They are likely to differ from those published by the National Climatic Data Center.
2. Temperature, degree day, and precipitation normals were derived from records for the 1951 to 1980 period unless otherwise noted.
3. Because of relatively brief record histories at Staples, Becker, St Paul, Lamberton, Cedar Creek, Haverhill, Newburg, and Westport means from nearby locations, or shorter term averages were used in calculating departures from normal.
4. Except for Cloquet, St Paul and Rosemount, all sites recorded rainfall data at 8 am. These precipitation values were lagged one day such that they represent moisture conditions on the correct date.
5. Except for St Paul, where pan evaporation was recorded daily at 5 pm, all sites measured pan evaporation at 8 am. These data were lagged one day since the majority of evaporation occurred on the previous calendar date.
6. Daily evaporation measurements were not always taken at Becker and Staples. For selected periods, total evaporation was equally divided among the number of days between measurements, or daily estimates were made using solar radiation data, temperature data, or other pan evaporation data.
7. Following the last date in each month, a monthly summary is

shown for each measurement using means (MN) or totals (TOT). An M indicates missing or insufficient data.

8. Periodic missing data generally indicate instrument failure. For dates marked by an asterick, some of the following sensors were used: air temperatures were measured using standard mercury and alcohol max/min thermometers; solar radiation was measured using an Eppley pyranometer; soil temperatures were taken by using either Palmer max/min thermometers or thermocouples; and mean wind speed was taken from a totalizing anemometer at 0.5 meter height.
9. Except for the base 10/30 degree C method, all degree days were calculated in the following manner:
$$[(T_{\max} + T_{\min})/2] - B = \text{daily degree days}$$
where B represents a base temperature value of 4.44, 7.22, or 10 degrees C. For the base 10/30 degree C method, minimum temperatures below 10 degrees and maximum temperatures above 30 degrees are ignored and reset to 10 and 30, respectively to calculate daily values. Thus, for a day with a minimum temperature of 8 degrees C and a maximum of 32 degrees C, the daily degree days would be 10
$$[(30 + 10)/2] - 10).$$
10. Extraordinary pan evaporation values in excess of 11 mm may be due to measurement error, or splash loss caused by strong winds, intense rainfall, or hail.
11. Due to the surrounding forested environment, the data from Cloquet, Grand Rapids, and Cedar Creek cannot be extrapolated as well over distance as those data from other sites.

TABLE 1.
MEAN MONTHLY TEMPERATURE AND DEPARTURE FROM NORMAL
(DEGREES CELSIUS)

	APR	MAY	JUN	JUL	AUG	SEP	OCT
BECKER DEP. (1)	11.1 +3.9	16.1 +2.8	21.8 +3.4	24.1 +3.1	19.9 +0.3	15.9 +1.7	6.2 -2.1
CEDAR CREEK DEP. (2)	10.3 +3.9	15.8 +2.4	20.3 +1.7	23.3 +2.1	19.0 -0.8	15.3 +1.1	5.4 -3.0
CLOQUET DEP.	8.1 +4.6	11.8 +1.7	17.8 +2.5	20.7 +2.1	17.7 +0.5	13.9 +2.1	3.8 -2.5
CROOKSTON DEP.	10.5 +5.8	16.3 +4.1	20.7 +3.1	23.3 +3.0	18.8 -0.7	15.7 +1.9	5.6 -3.9
GRAND RAPIDS DEP.	9.5 +4.8	13.8 +1.6	18.6 +1.0	21.2 +0.9	17.9 -1.6	14.5 +0.7	4.5 -5.0
HAVERHILL DEP. (3)	10.5 +3.5	16.2 +3.4	20.9 +1.7	23.3 +1.8	19.6 -0.6	16.5 +1.4	6.6 -2.7
LAMBERTON DEP. (4)	11.9 +4.4	18.4 +3.9	21.8 +1.7	23.9 +1.8	19.7 -0.9	16.6 +1.2	6.5 -3.2
MORRIS DEP.	11.3 +5.0	16.2 +2.8	20.1 +1.2	22.8 +1.6	18.9 -1.3	15.4 +1.0	5.7 -2.5
NEWBURG DEP. (5)	10.4 +3.6	16.4 +3.2	21.3 +2.7	23.3 +2.4	19.8 +0.1	16.1 +1.6	6.5 -2.2
ROSEMOUNT DEP.	11.9 +6.4	17.8 +4.5	22.1 +3.4	24.2 +2.9	19.2 -0.2	15.7 +1.0	6.0 -2.8
ST. PAUL DEP. (6)	13.0 +7.5	18.4 +5.1	23.3 +4.6	24.4 +3.1	21.1 +1.7	17.5 +2.8	7.8 -1.0
STAPLES DEP. (7)	10.4 +5.2	15.1 +2.8	19.8 +2.1	22.6 +2.2	18.3 -1.0	14.5 +1.1	5.0 -2.4
WASECA DEP.	11.6 +4.7	17.8 +4.3	22.0 +2.8	23.8 +2.5	19.4 -0.6	16.8 +1.9	6.3 -3.5
WESTPORT DEP. (8)	10.6 +4.6	15.7 +2.5	20.0 +1.5	22.9 +1.5	18.4 -1.8	15.4 +1.0	5.2 -3.2

- (1) DEPARTURE FROM ST. CLOUD NORMALS
- (2) DEPARTURE FROM CAMBRIDGE NORMALS
- (3) DEPARTURE FROM ROCHESTER NORMALS
- (4) DEPARTURE FROM SPRINGFIELD NORMALS
- (5) DEPARTURE FROM PRESTON NORMALS
- (6) DEPARTURE FROM MINNEAPOLIS/ST PAUL INTNL. AIRPORT NORMALS
- (7) DEPARTURE FROM WADENA NORMALS
- (8) DEPARTURE FROM GLENWOOD NORMALS

(TEMPERATURE NORMALS IN THIS TABLE HAVE BEEN CORRECTED FOR TIME OF OBSERVATION AND MAY THEREFORE DIFFER FROM THOSE PUBLISHED BY THE NATIONAL CLIMATIC CENTER.)

TABLE 2.

TOTAL MONTHLY PRECIPITATION AND DEPARTURE FROM NORMAL
(MILLIMETERS)

	APR	MAY	JUN	JUL	AUG	SEP	OCT
BECKER DEP. (1)	0.25 -52.58	66.82 -25.64	74.15 -37.86	109.22 +15.24	102.10 -9.15	55.86 -17.55	13.46 -36.32
CEDAR CREEK DEP. (2)	3.56 -49.27	110.49 +18.03	45.47 -66.54	119.38 +25.40	95.76 -15.49	55.88 -17.53	23.11 -26.67
CLOQUET DEP.	5.33 -47.50	102.09 +15.48	29.98 -74.16	160.52 +49.52	47.49 -55.13	49.53 -34.54	24.65 -31.23
CROOKSTON DEP.	7.36 -27.95	110.99 +55.11	22.60 -69.09	132.08 +51.56	78.22 +1.00	41.66 +6.35	10.17 -25.14
GRAND RAPIDS DEP.	4.22 -30.99	120.15 +64.27	29.45 -62.24	210.82 +130.30	72.12 -5.10	83.81 +48.50	26.16 -9.15
HAVERHILL DEP. (3)	2.03 -63.25	M M	94.49 -11.68	171.70 +74.67	142.75 +47.75	73.66 -1.52	55.12 +1.53
LAMBERTON DEP. (4)	21.85 -41.90	59.44 -22.09	51.31 -35.05	152.90 +57.14	37.85 -26.41	62.48 -8.39	6.10 -52.83
MORRIS DEP.	9.90 -52.33	74.17 -14.23	47.49 -51.82	45.72 -37.85	37.08 -42.42	73.40 +24.89	10.65 -36.34
NEWBURG DEP. (5)	54.86 -22.36	72.14 -24.89	105.92 -5.08	147.83 +45.47	108.71 +11.94	50.29 -35.05	19.30 -36.33
ROSEMOUNT DEP.	3.81 -58.67	71.36 -22.37	26.07 -95.09	288.84 +197.91	84.34 -24.63	34.79 -45.73	25.39 -31.00
ST. PAUL DEP. (6)	4.82 -57.66	54.85 -38.88	50.30 -70.86	305.57 +214.64	84.84 -24.13	41.39 -39.13	25.41 -30.98
STAPLES DEP. (7)	3.30 -59.69	106.16 +29.71	26.17 -85.59	99.05 -2.04	74.41 -12.97	69.07 +6.08	18.27 -27.45
WASECA DEP.	9.65 -57.41	52.31 -43.19	88.39 -25.40	184.66 +82.55	136.39 +34.79	51.55 -33.79	45.97 -7.12
WESTPORT DEP. (8)	M M	152.91 +78.84	39.62 -63.76	124.46 +47.24	29.97 -61.47	66.80 +9.14	10.16 -37.85

- (1) DEPARTURE FROM ELK RIVER NORMALS
 (2) DEPARTURE FROM ELK RIVER NORMALS
 (3) DEPARTURE FROM ROCHESTER NORMALS
 (4) DEPARTURE FROM 1960 - 1985 AVERAGE
 (5) DEPARTURE FROM HARMONY NORMALS
 (6) DEPARTURE FROM 1961 - 1985 AVERAGE
 (7) DEPARTURE FROM WADENA NORMALS
 (8) DEPARTURE FROM ALEXANDRIA NORMALS

TABLE 3.

TOTAL DEGREE DAYS (BASE 4.44) AND DEPARTURE FROM NORMAL
(DEGREES CELSIUS)

	APR	MAY	JUN	JUL	AUG	SEP	OCT
BECKER DEP. (1)	216 +118	362 +88	520 +103	610 +97	478 +8	344 +54	77 -67
CEDAR CREEK DEP. (2)	191 +90	353 +73	474 +51	585 +65	452 -23	326 +33	63 -85
CLOQUET DEP.	132 +84	231 +49	402 +75	503 +64	412 +15	283 +61	33 -66
CROOKSTON DEP.	194 +118	367 +123	488 +95	585 +93	445 -20	337 +65	70 -52
GRAND RAPIDS DEP.	173 +112	289 +77	425 +73	521 +75	417 +17	300 +76	43 -61
HAVERHILL DEP. (3)	202 +90	366 +74	494 +51	585 +56	471 -18	366 +46	86 -84
LAMBERTON DEP. (4)	235 +117	432 +121	522 +53	604 +59	472 -28	364 +30	93 -83
MORRIS DEP.	221 +118	365 +85	468 +36	570 +49	448 -39	328 +29	69 -72
NEWBURG DEP. (5)	210 +104	374 +100	505 +81	585 +75	476 +5	350 +50	82 -69
ROSEMOUNT DEP.	234 +132	415 +137	530 +101	613 +92	458 -19	338 +33	73 -85
ST. PAUL DEP. (6)	263 +131	432 +112	564 +96	619 +49	518 -9	392 +52	118 -62
STAPLES DEP. (7)	195 +116	332 +83	460 +60	563 +69	431 -29	301 +35	55 -70
WASECA DEP.	230 +127	414 +121	526 +84	602 +79	465 -14	371 +58	85 -75
WESTPORT DEP. (8)	200 +107	349 +76	466 +44	572 +48	432 -55	327 +29	64 -83

- (1) DEPARTURE FROM ST. CLOUD NORMALS
 (2) DEPARTURE FROM CAMBRIDGE NORMALS
 (3) DEPARTURE FROM ROCHESTER NORMALS
 (4) DEPARTURE FROM SPRINGFIELD NORMALS
 (5) DEPARTURE FROM PRESTON NORMALS
 (6) DEPARTURE FROM MINNEAPOLIS/ST. PAUL INTNL. AIRPORT NORMALS
 (7) DEPARTURE FROM WADENA NORMALS
 (8) DEPARTURE FROM GLENWOOD NORMALS

TABLE 4.

TOTAL DEGREE DAYS (BASE 7.22) AND DEPARTURE FROM NORMAL
(DEGREES CELSIUS)

	APR	MAY	JUN	JUL	AUG	SEP	OCT
BECKER DEP. (1)	144 +90	277 +84	436 +103	524 +97	392 +8	260 +52	33 -54
CEDAR CREEK DEP. (2)	120 +63	268 +69	391 +51	499 +65	366 -23	242 +31	26 -65
CLOQUET DEP.	70 +50	151 +39	318 +75	417 +64	326 +15	199 +57	13 -40
CROOKSTON DEP.	122 +81	281 +113	405 +94	499 +93	359 -20	253 +61	28 -45
GRAND RAPIDS DEP.	101 +71	206 +65	342 +73	435 +75	330 -16	217 +72	15 -43
HAVERHILL DEP. (3)	126 +62	279 +68	410 +50	499 +56	385 -18	282 +45	37 -72
LAMBERTON DEP. (4)	161 +96	347 +120	438 +52	518 +59	386 -28	280 +30	48 -63
MORRIS DEP.	149 +90	280 +79	385 +36	484 +50	362 -39	244 +27	30 -55
NEWBURG DEP. (5)	142 +84	286 +92	421 +80	499 +76	389 +3	266 +49	40 -51
ROSEMOUNT DEP.	161 +103	328 +130	446 +101	526 +91	372 -19	255 +33	32 -67
ST. PAUL DEP. (6)	188 +108	346 +109	481 +96	533 +49	431 -10	308 +51	65 -51
STAPLES DEP. (7)	122 +81	246 +76	376 +60	476 +69	344 -30	218 +32	19 -54
WASECA DEP.	159 +104	328 +118	442 +83	515 +78	379 -14	288 +57	41 -58
WESTPORT DEP. (8)	127 +76	263 +71	382 +44	486 +48	346 -55	244 +28	25 -64

- (1) DEPARTURE FROM ST. CLOUD NORMALS
 (2) DEPARTURE FROM CAMBRIDGE NORMALS
 (3) DEPARTURE FROM ROCHESTER NORMALS
 (4) DEPARTURE FROM SPRINGFIELD NORMALS
 (5) DEPARTURE FROM PRESTON NORMALS
 (6) DEPARTURE FROM MINNEAPOLIS/ST. PAUL INTNL. AIRPORT NORMALS
 (7) DEPARTURE FROM WADENA NORMALS
 (8) DEPARTURE FROM GLENWOOD NORMALS

TABLE 5.

TOTAL DEGREE DAYS (BASE 10) AND DEPARTURE FROM NORMAL
(DEGREES CELSIUS)

	APR	MAY	JUN	JUL	AUG	SEP	OCT
BECKER DEP. (1)	80 +54	196 +73	353 +102	437 +96	305 +7	177 +45	13 -33
CEDAR CREEK DEP. (2)	62 +35	187 +60	308 +51	413 +65	280 -23	159 +20	11 -38
CLOQUET DEP.	29 +23	87 +28	235 +73	330 +63	240 +15	119 +43	4 -20
CROOKSTON DEP.	67 +49	199 +95	321 +94	413 +93	273 -19	170 +50	10 -27
GRAND RAPIDS DEP.	47 +35	129 +46	258 +71	349 +75	244 +16	134 +55	5 -21
HAVERHILL DEP. (3)	72 +41	195 +57	327 +50	413 +57	299 -18	194 +38	17 -45
LAMBERTON DEP. (4)	98 +68	263 +114	355 +52	432 +87	299 -3	197 +64	22 -42
MORRIS DEP.	87 +58	201 +71	302 +36	398 +50	276 -40	161 +19	13 -32
NEWBURG DEP. (5)	75 +48	200 +75	338 +81	413 +76	303 +4	183 +45	61 -18
ROSEMOUNT DEP.	93 +66	242 +115	363 +101	440 +92	286 -19	172 +31	12 -43
ST. PAUL DEP. (6)	120 +78	260 +99	398 +96	447 +49	345 -10	225 +11	30 -36
STAPLES DEP. (7)	62 +46	167 +62	293 +60	390 +69	258 -30	136 +22	7 -30
WASECA DEP.	94 +70	244 +110	359 +84	429 +78	293 -15	205 +55	16 -38
WESTPORT DEP. (8)	65 +42	182 +60	299 +44	400 +48	260 -55	161 +23	11 -36

- (1) DEPARTURE FROM ST. CLOUD NORMALS
 (2) DEPARTURE FROM CAMBRIDGE NORMALS
 (3) DEPARTURE FROM ROCHESTER NORMALS
 (4) DEPARTURE FROM SPRINGFIELD NORMALS
 (5) DEPARTURE FROM PRESTON NORMALS
 (6) DEPARTURE FROM MINNEAPOLIS/ST. PAUL INTNL. AIRPORT NORMALS
 (7) DEPARTURE FROM WADENA NORMALS
 (8) DEPARTURE FROM GLENWOOD NORMALS

TABLE 6.

TOTAL DEGREE DAYS (BASE 10/30) AND DEPARTURE FROM NORMAL
(DEGREES CELSIUS)

	APR	MAY	JUN	JUL	AUG	SEP	OCT
BECKER DEP. (1)	153 +102	228 +76	321 +65	392 +53	308 +9	199 +40	48 -27
CEDAR CREEK DEP. (2)	156 +104	232 +76	306 +45	402 +58	288 -16	206 +45	48 -30
CLOQUET DEP.	122 +98	151 +57	256 +74	328 +58	255 +21	167 +53	26 -25
CROOKSTON DEP.	130 +91	222 +87	315 +79	394 +74	281 -13	203 -53	54 -11
GRAND RAPIDS DEP.	138 +106	181 +67	273 +71	347 +71	254 +17	165 +48	29 -25
HAVERHILL DEP. (3)	132 +74	225 +60	325 +46	400 +48	302 -14	213 +35	47 -45
LAMBERTON DEP. (4)	165 +106	268 +92	337 +34	409 +41	297 -29	217 +28	65 -29
MORRIS DEP.	155 +102	221 +63	302 +32	380 +34	281 -34	197 +29	53 -20
NEWBURG DEP. (5)	121 +67	232 +79	332 +70	406 +71	305 +5	199 +35	91 -12
ROSEMOUNT DEP.	166 +113	266 +110	347 +81	423 +46	290 -15	203 +34	48 -36
ST. PAUL DEP. (6)	173 +104	276 +92	377 +75	431 +44	341 -8	234 +37	69 -27
STAPLES DEP. (7)	147 +107	207 +71	294 +53	378 +58	267 -23	174 +29	39 -26
WASECA DEP.	156 +104	259 +96	343 +66	412 +63	295 -13	220 +46	52 -33
(1)	DEPARTURE FROM ST. CLOUD NORMALS						
(2)	DEPARTURE FROM CAMBRIDGE NORMALS						
(3)	DEPARTURE FROM ROCHESTER NORMALS						
(4)	DEPARTURE FROM SPRINGFIELD NORMALS						
(5)	DEPARTURE FROM PRESTON NORMALS						
(6)	DEPARTURE FROM MINNEAPOLIS/ST. PAUL INTNL. AIRPORT NORMALS						
(7)	DEPARTURE FROM WADENA NORMALS						
(8)	DEPARTURE FROM GLENWOOD NORMALS						

FIG. 1

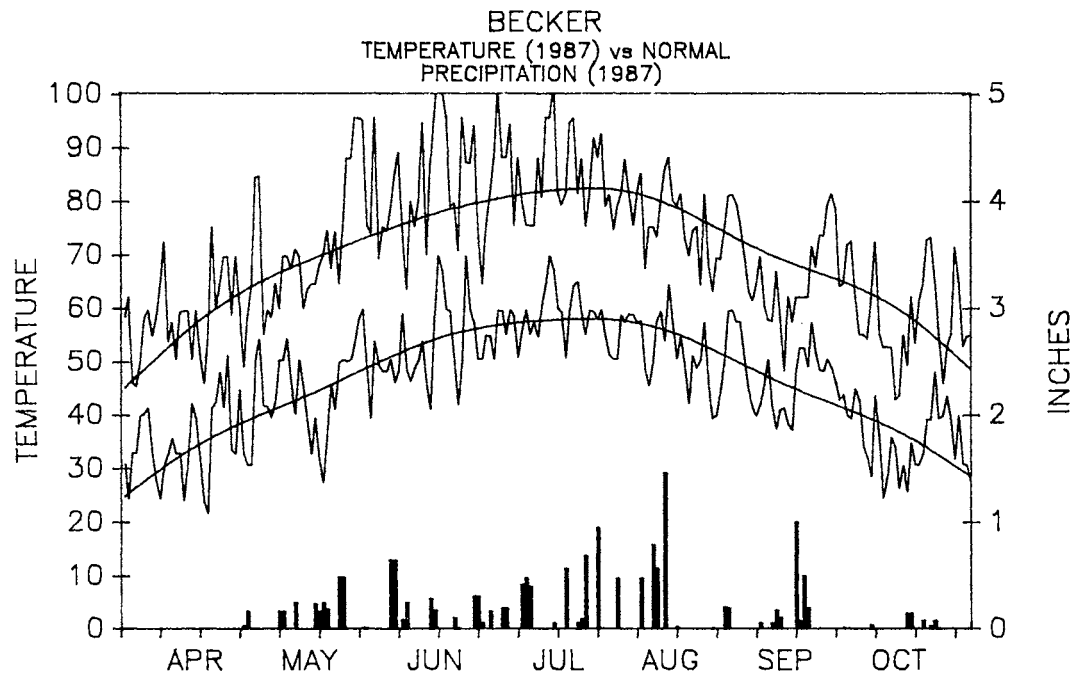


FIG. 2

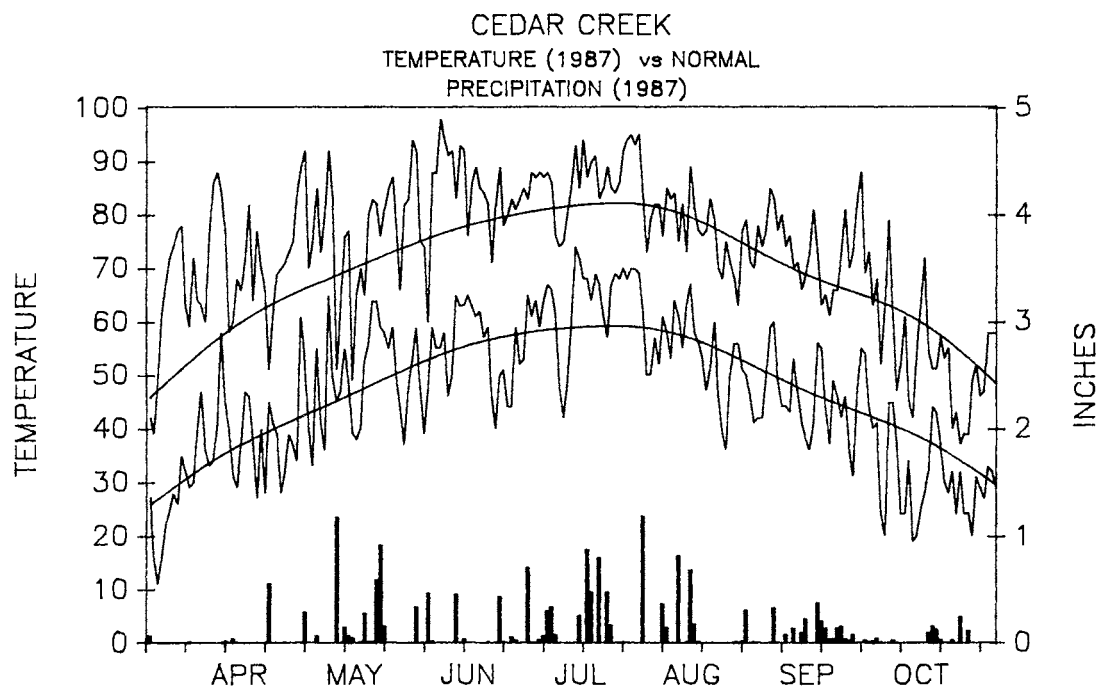


FIG. 3

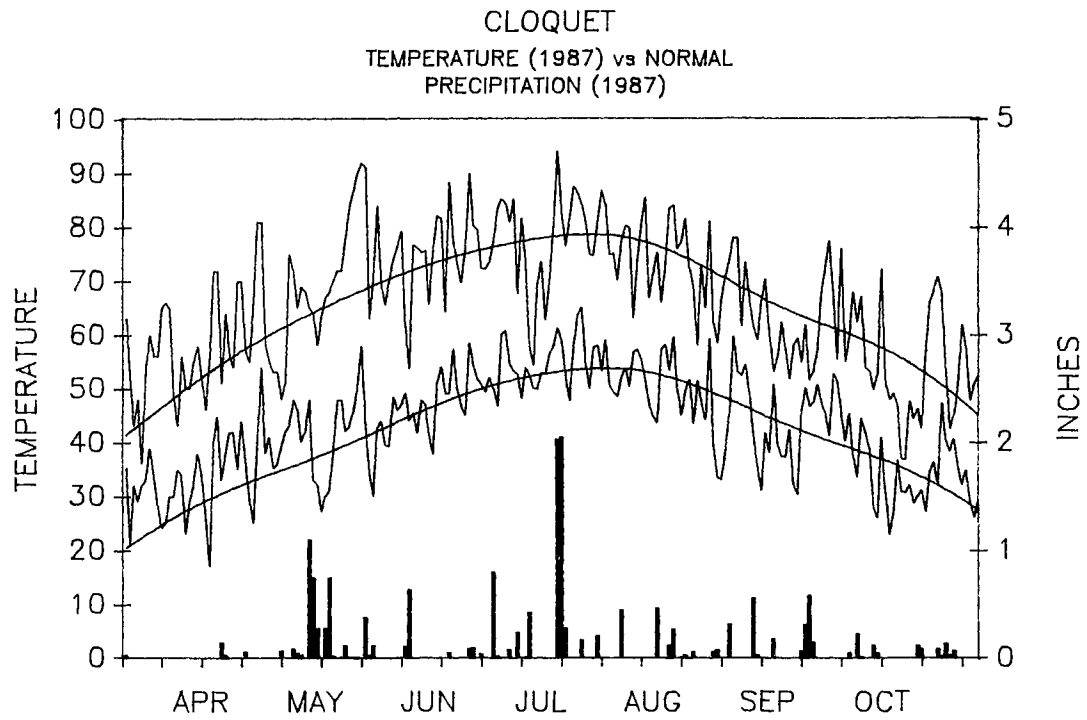


FIG. 4

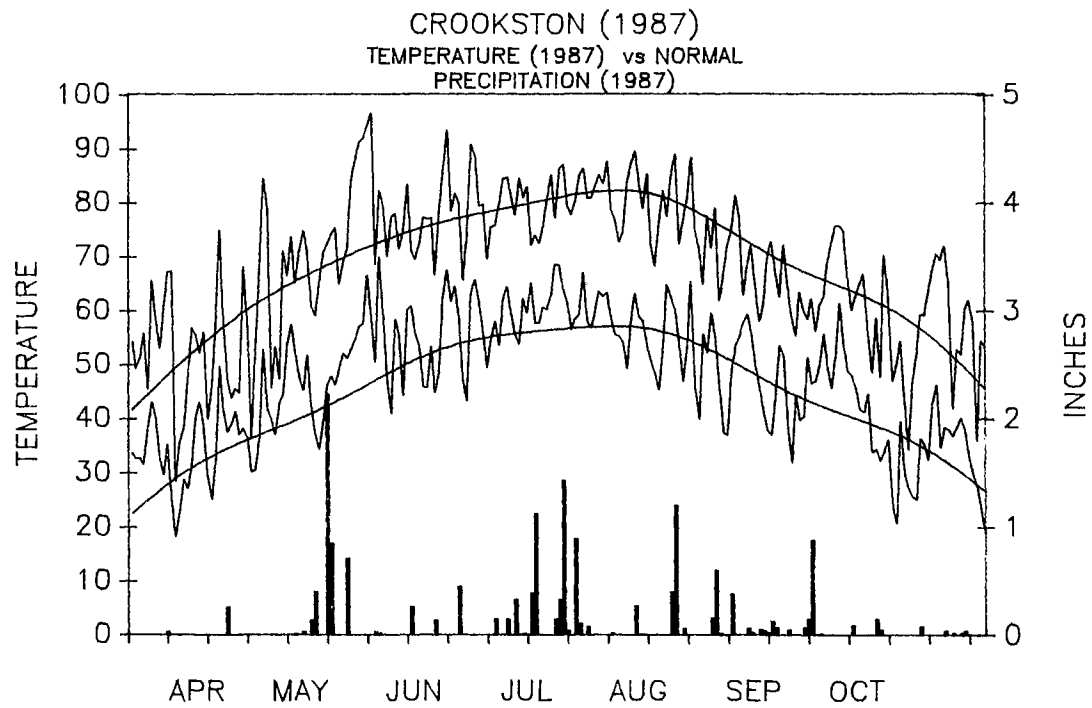


FIG. 5
 GRAND RAPIDS
 TEMPERATURE (1987) vs NORMAL
 PRECIPITATION (1987)

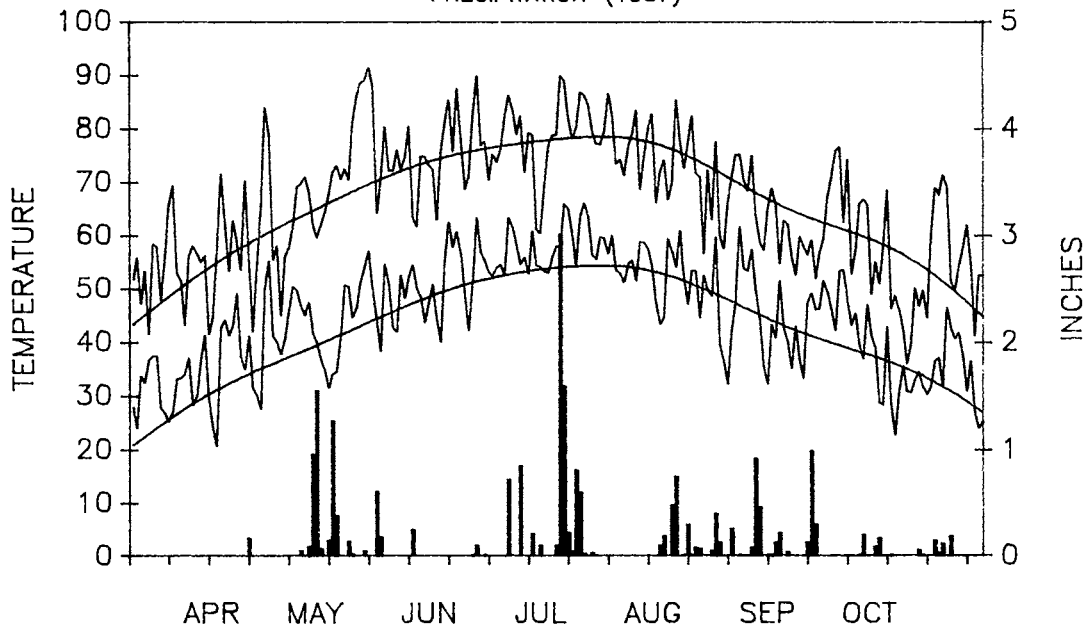


FIG. 6
 HAVERHILL
 TEMPERATURE (1987) vs NORMAL
 PRECIPITATION (1987)

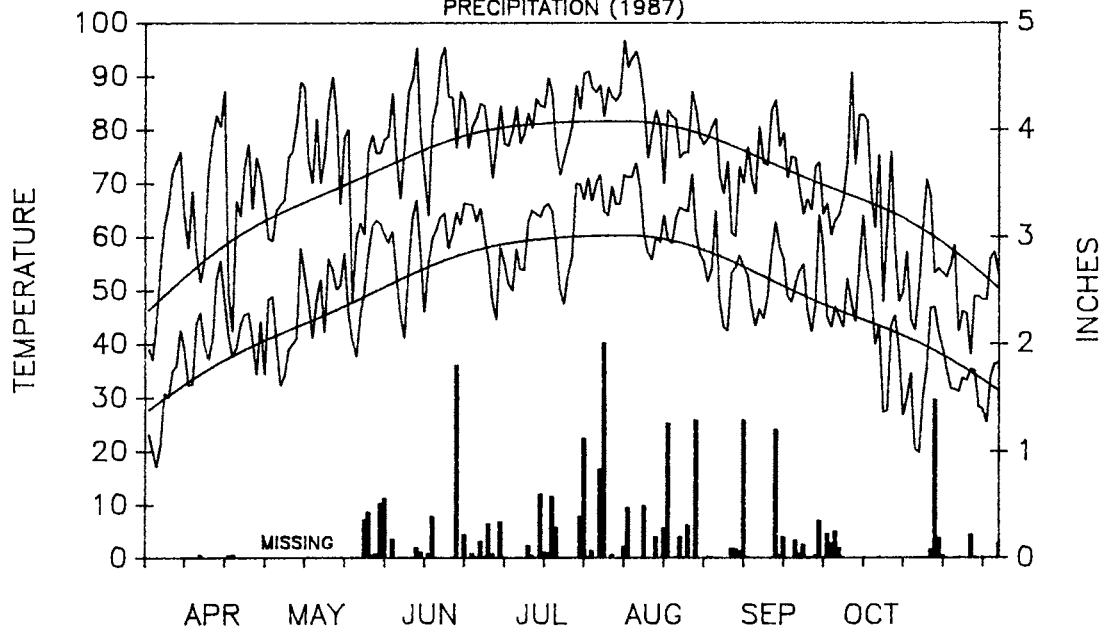


FIG. 7

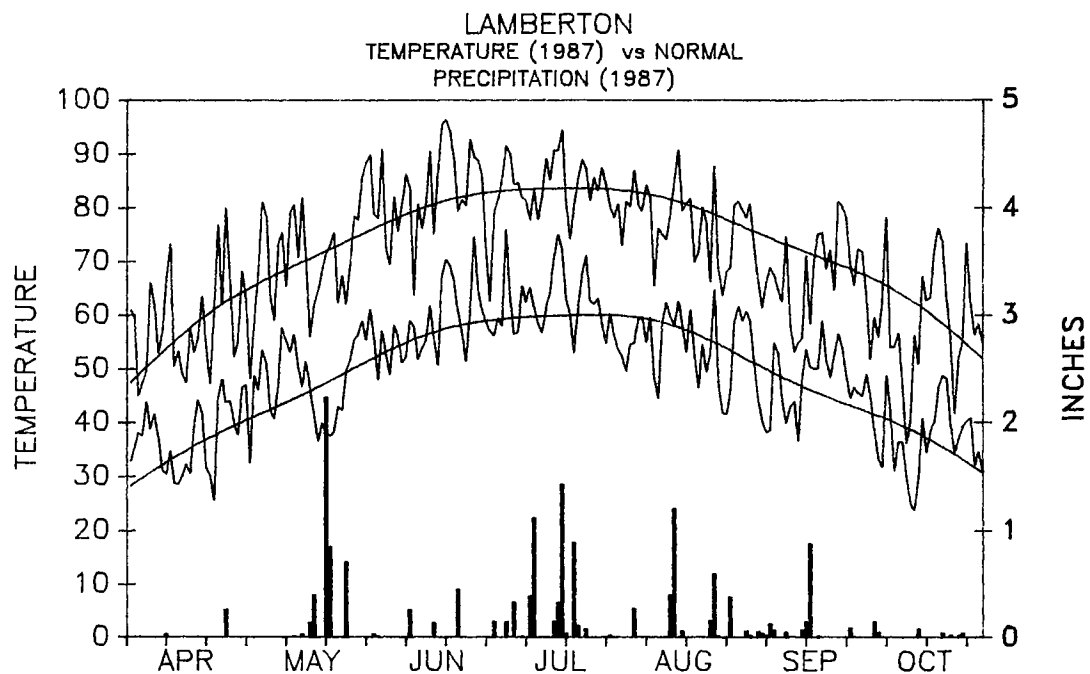


FIG. 8

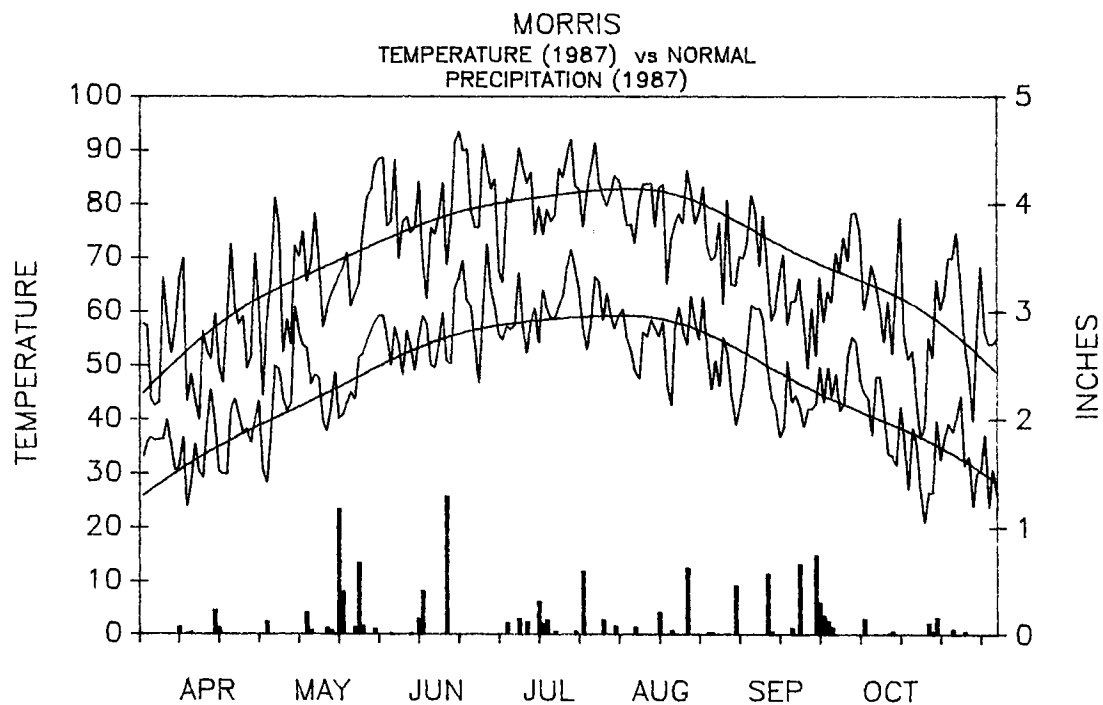


FIG. 9

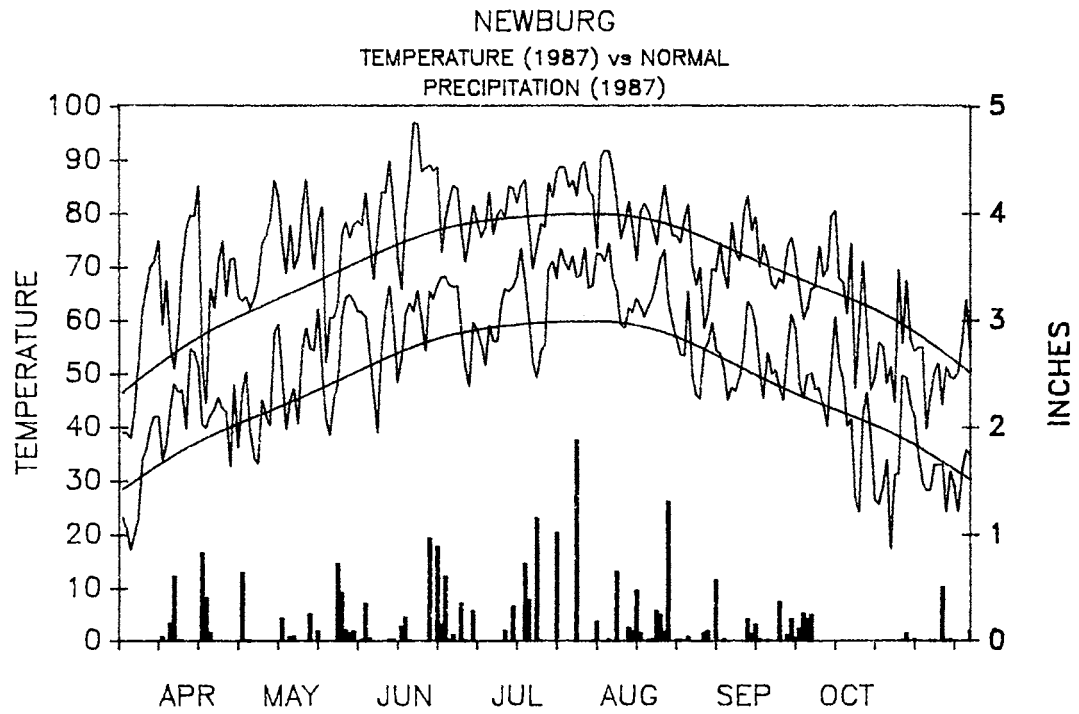


FIG. 10

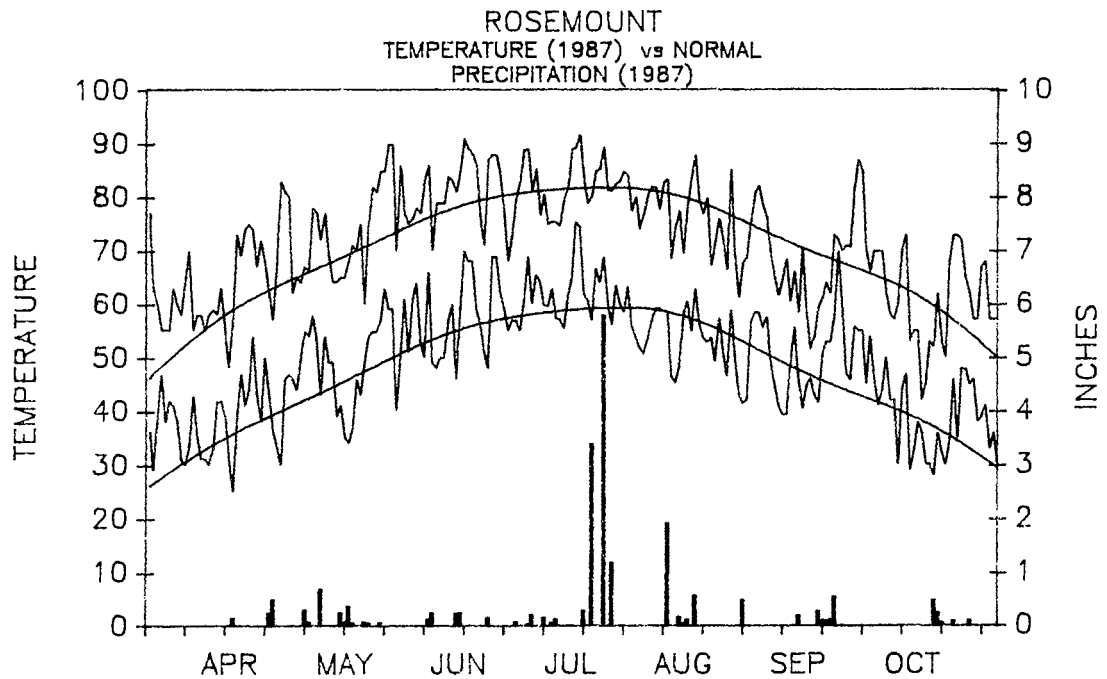


FIG. 11

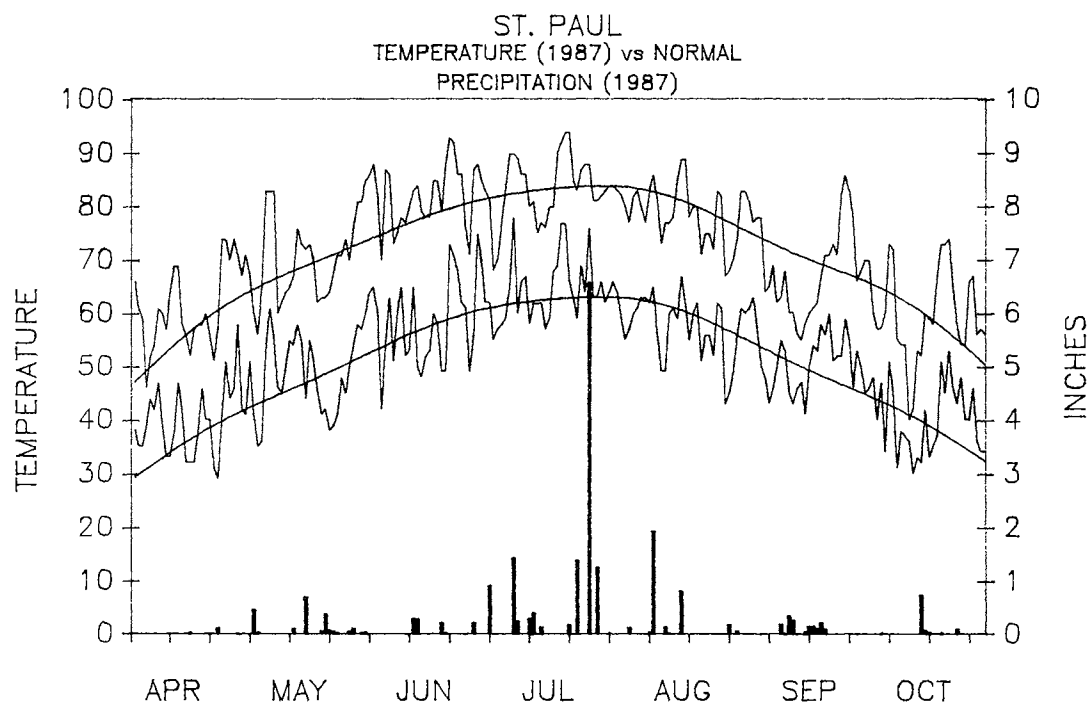
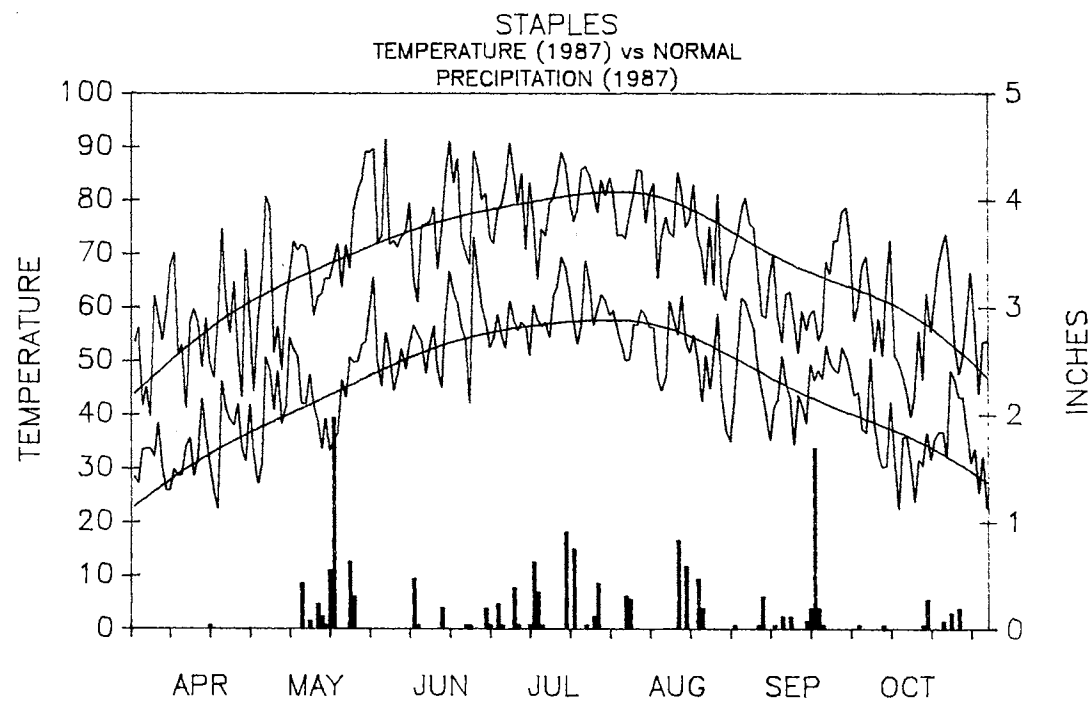
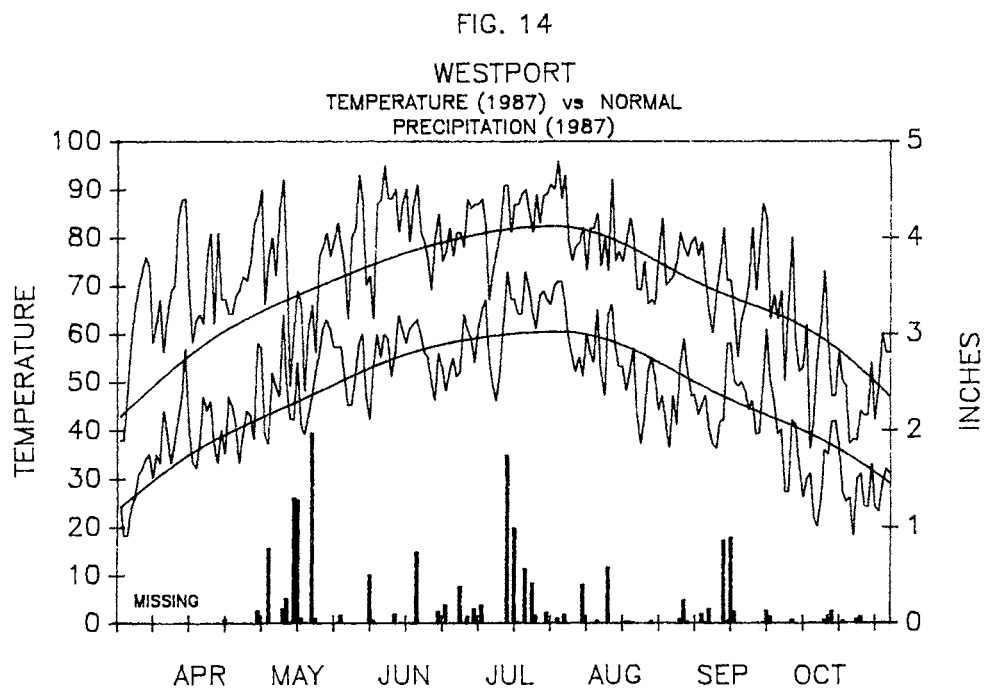
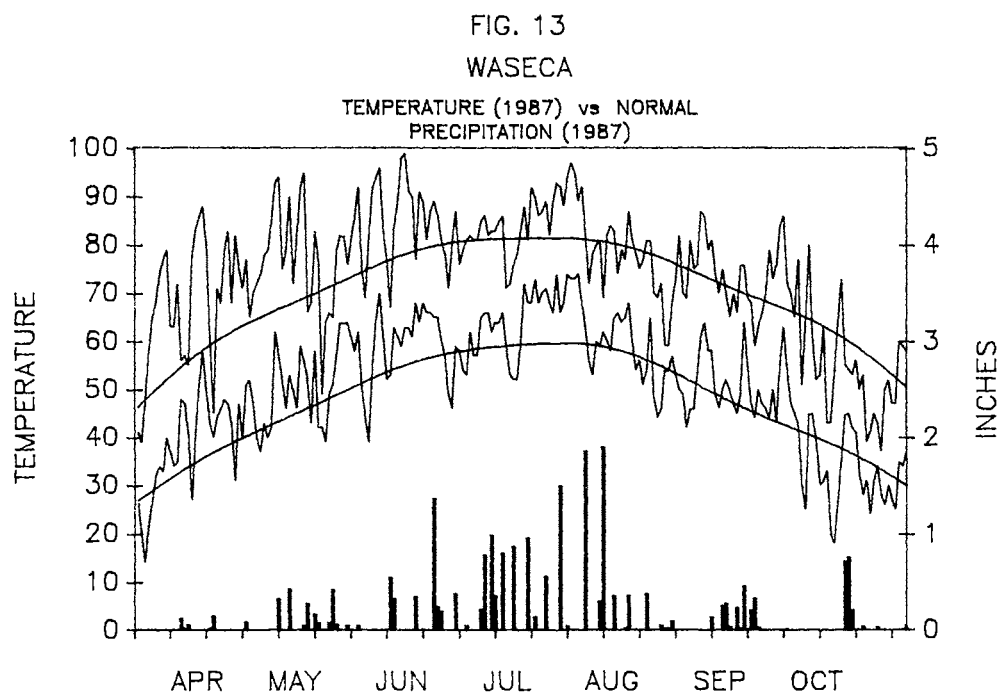


FIG. 12





B E C K E R

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 5CM	MIN SOIL TEMP 5CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
10/ 1/87 *	21.7	3.9	0.00	5.59	M	M	M	1552	1607	M	M	M	M	M	M	M	M	M	M	M
10/ 2/87 *	10.6	-1.7	0.00	4.83	M	M	M	1552	1607	M	M	M	M	M	M	M	M	M	M	M
10/ 3/87 *	17.2	-3.9	0.00	4.57	M	M	M	1552	1610	M	M	M	M	M	M	M	M	M	M	M
10/ 4/87	27.1	6.3	0.00	4.57	4.21	M	M	1559	1619	18.2	9.0	23.7	8.2	2.92	2.26	214	39	0	M	M
10/ 5/87	16.2	5.8	0.00	1.78	1.11	M	M	1560	1622	13.8	9.9	14.1	8.9	4.69	4.06	306	30	26	M	M
10/ 6/87	9.9	1.1	1.02	2.54	2.82	M	M	1560	1622	12.4	7.7	15.0	5.4	3.91	3.49	334	27	0	M	M
10/ 7/87	11.7	-1.7	0.00	2.79	4.53	M	M	1560	1623	13.7	4.9	18.3	2.4	1.95	1.53	332	37	0	M	M
10/ 8/87	17.5	-0.4	0.00	4.83	3.01	M	M	1560	1627	13.0	5.9	17.2	4.3	3.34	1.93	198	53	0	M	M
10/ 9/87	6.6	1.1	0.00	M	1.25	M	M	1560	1627	9.4	6.4	9.3	5.3	3.74	3.33	321	27	0	M	M
10/10/87	5.1	-3.0	0.00	M	2.68	M	M	1560	1627	9.9	4.8	13.1	2.2	1.74	1.38	310	37	0	M	M
10/11/87	12.2	-3.7	0.00	M	3.86	M	M	1560	1628	10.5	2.8	14.1	0.7	3.17	2.74	235	30	0	M	M
10/12/87	16.8	-0.3	0.00	M	4.14	M	M	1560	1631	13.4	4.5	18.6	3.1	1.10	0.33	310	68	0	M	M
10/13/87	23.1	1.3	0.00	M	2.90	M	M	1562	1638	13.2	5.3	17.4	3.9	2.69	1.83	191	46	0	M	M
10/14/87	12.2	3.9	0.00	M	1.07	M	M	1562	1639	10.0	6.9	12.0	5.6	1.10	0.52	267	59	12	M	M
10/15/87	9.8	7.6	3.81	M	0.39	M	M	1562	1639	8.7	7.7	9.8	7.9	0.81	0.64	71	38	93	M	M
10/16/87	9.6	6.0	3.81	M	0.59	M	M	1562	1639	9.3	7.5	10.7	7.4	1.86	1.49	285	36	68	M	M
10/17/87	13.8	5.0	0.00	M	2.97	M	M	1562	1641	11.9	6.5	15.6	6.6	2.64	1.23	262	59	18	M	M
10/18/87	9.9	2.5	0.00	M	2.67	M	M	1562	1641	9.5	4.8	11.9	3.3	2.26	1.91	289	32	0	M	M
10/19/87	11.0	-2.4	2.03	M	3.26	M	M	1562	1641	8.6	2.6	11.9	1.3	1.74	1.38	269	37	7	M	M
10/20/87	3.9	-0.1	0.00	M	1.33	M	M	1562	1641	5.0	2.6	6.7	1.5	3.05	2.84	321	21	24	M	M
10/21/87	4.7	-1.7	0.76	M	1.96	M	M	1562	1641	5.4	1.6	7.7	1.1	1.92	0.53	238	69	6	M	M
10/22/87	3.1	0.7	2.03	M	0.90	M	M	1562	1641	4.4	2.3	5.8	1.8	2.19	1.26	36	53	48	M	M
10/23/87	4.1	-1.2	0.00	M	0.61	M	M	1562	1641	3.6	1.8	4.4	1.4	1.22	0.75	228	50	0	M	M
10/24/87	6.8	-0.7	0.00	M	1.85	M	M	1562	1641	5.8	1.2	8.7	1.1	1.84	0.59	341	67	34	M	M
10/25/87	7.6	-2.0	0.00	M	1.52	M	M	1562	1641	4.3	1.1	6.3	0.7	4.16	4.03	180	14	4	M	M
10/26/87	12.2	2.6	0.00	M	1.80	M	M	1562	1642	7.4	2.5	10.2	2.3	3.64	1.71	269	59	0	M	M
10/27/87	6.7	-0.9	0.00	M	2.00	M	M	1562	1642	5.3	1.6	7.5	1.1	2.75	2.46</					

C E D A R C R E E K

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 10	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
4/ 1/87	5.3	-2.9	1.78		M	3.96	83	36	0	0	M	M	M	M	3.73	M	M	M	0	0.39	0.28
4/ 2/87	4.0	-9.2	0.00		M	6.25	88	23	0	0	M	M	M	M	2.25	M	M	M	0	0.21	0.33
4/ 3/87	8.8	-11.	0.00		M	6.29	93	20	0	0	M										

CEDAR CREEK

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 10	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
6/ 1/87 *	30.5	15.0	0.00		M	6.95	88	42	563	261	M	M	M	M	M	M	M	M	M	M	
6/ 2/87	25.7	9.8	0.00		M	1.52	85	25	576	269	25.4	21.2	22.4	19.8	2.45	2.12	229	30	0	0.83	1.30
6/ 3/87	18.7	6.5	0.00		M	7.58	97	38													

C E D A R C R E E K

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 10	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
8/ 1/87	33.7	21.2	0.00		M	3.83	91	64	1627	987	29.0	26.4	27.8	26.2	0.98	0.29	248	68	45	2.89	0.73
8/ 2/87	34.9	20.3	0.00		M	7.45	92	41	1651	1004	30.7	24.7	27.7	25.0	1.04	0.48	279	60	40	2.53	1.15
8/ 3/87	28.3	16.9	30.23		M																

C E D A R C R E E K

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 10	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
10/ 1/87	20.1	5.2	1.27		M	2.25	83	46	2391	1411	15.3	13.0	14.9	13.9	3.26	2.00	252	50	11	0.84	0.70
10/ 2/87	11.1	-4.5	0.25		M	4.40	93	34	2391	1411	13.9	10.7	14.2	12.5	2.57	1.47	333	53	0	0.45	0.43
10/ 3/87	17.2	-6.6	0.00		M	4.40	94	18	2392	1411	12.8	8.0	12.6	10.3	1.52	1.17	184	39	5	0.43	0.66
10/ 4/87	26.2	7.0	0.00		M	4.07	57	23	2404	1418	14.5	9.7	13.2	10.9	1.89	1.55	190	34	0	0.71	1.10
10/ 5/87	16.0	7.0	0.76		M	0.66	91	43	2411	1420	12.7	11.4	12.9	12.0	3.67	3.28	260	26	25	0.90	0.37
10/ 6/87	8.6	3.0	0.00		M	1.82	84	56	2412	1420	11.8	10.4	12.1	11.3	2.82	2.38	283	32	0	0.67	0.28
10/ 7/87	11.3	-4.2	0.00		M	4.34	93	40	2412	1420	11.4	7.7	11.4	9.6	1.39	0.72	296	56	0	0.49	0.29
10/ 8/87	16.0	-4.2	0.00		M	2.74	93	29	2414	1420	11.0	7.2	10.7	8.9	2.20	1.18	179	55	6	0.54	0.58
10/ 9/87	7.3	1.0	0.00		M	0.90	64	46	2414	1420	10.3	8.5	10.6	9.5	2.99	2.44	273	35	0	0.45	0.32
10/10/87	5.5	-7.2	0.00		M	1.88	89	44	2414	1420	9.2	6.5	9.5	8.6	1.08	0.61	268	53	0	0.37	0.25
10/11/87	12.5	-6.8	0.00		M	3.95	90	28	2414	1420	8.8	4.3	8.6	6.7	1.87	1.59	215	31	2	0.41	0.41
10/12/87	17.4	-3.8	0.00		M	4.07	93	19	2416	1420	9.8	5.1	8.8	6.9	1.01	0.11	312	77	3	0.45	0.56
10/13/87	22.0	-2.1	0.00		M	2.68	86	20	2422	1420	10.4	5.7	9.4	7.2	1.61	1.11	175	45	0	0.53	0.94
10/14/87	12.4	-0.1	2.54		M	0.96	92	42	2423	1420	9.4	7.1	9.4	8.2	0.80	0.43	217	55	34	0.71	0.33
10/15/87	10.3	6.5	4.06		M	0.31	92	89	2427	1420	9.5	8.5	9.4	8.9	1.62	1.53	64	19	99	0.99	0.11
10/16/87	10.8	6.4	3.30		M	0.49	91	87	2431	1420	10.4	9.5	10.1	9.4	1.49	1.24	240	33	99	1.04	0.13
10/17/87	13.7	2.9	0.76		M	2.70	90	52	2435	1420	11.3	8.4	10.3	9.3	1.57	1.12	250	44	48	0.80	0.23
10/18/87	11.6	-0.9	0.00		M	2.57	88	44	2436	1420	9.8	6.7	9.6	8.3	1.84	1.56	249	32	30	0.62	0.31
10/19/87	12.6	-2.4	0.00		M	2.91	93	M	2437	1420	7.7	M	8.5	M	1.25	0.94	228	40	2	M	M
10/20/87	4.3	-0.1	0.76		M	0.83	91	M	2437	1420	6.4	M	6.8	M	2.75	2.42	279	28	24	0.57	0.15
10/21/87	5.9	-4.2	0.00		M	1.86	92	50	2437	1420	6.1	3.6	6.4	5.4	1.27	0.60	231	59	4	0.46	0.19
10/22/87	2.8	0.1	6.35		M	0.79	93	85	2437	1420	5.1	4.6	6.1	5.5	1.64	0.89	49	55	99	0.59	0.07
10/23/87	3.9	-4.6	0.00		M	0.63	92	75	2437	1420	5.3	3.7	5.6								

C L O U Q U E T

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 10	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
4/ 1/87 *	3.9	-5.0	0.76		M	M	M	0	0	M	M	M	M	M	M	M	M	M	M	M
4/ 2/87 *	2.8	-11.	0.00		M	M	M	0	0	M	M	M	M	M	M	M	M	M	M	M
4/ 3/87 *	7.2	-11.	0.00		M	M	M	0	0	M	M	M	M	M	M	M	M	M	M	M
4/ 4/87 *	16.1	-5.6	0.00																	

C L O U E T

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 10	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
6/ 1/87	22.9	11.1	0.76		M	5.49	93	70	376	123	29.8	18.4	M	M	1.06	0.58	82	54	52	1.62	0.27
6/ 2/87	23.9	9.3	3.05		M	5.77	93	38	388	130	25.8	16.5	M	M	1.42	0.66	262	60	31	1.19	0.63
6/ 3/87	16.5	3.5	0.00		M	6.75	94	43	394	130	24.3	14.8	M	M	2.30	1.67	290	43	0	0.89	0.47
6/ 4/87	25.8	2.6	0.00		M	6.13	95	37	403</												

C L O U E T

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 10	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
8/ 1/87	30.8	17.7	0.00		M	2.93	89	66	1287	696	30.3	23.8	M	M	M	M	M	46	2.30	0.52
8/ 2/87	33.4	19.7	0.00		M	7.05	87	47	1309	712	36.3	24.2	M	M	M	M	M	43	2.38	1.01
8/ 3/87	28.1	14.8	11.43		M	5.05	88	42	1327	724										

C L O U Q U E T

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 10	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
10/ 1/87	17.8	1.5	5.84		M	1.72	87	56	1968	1040	16.3	10.0	M	M	2.78	2.00	278	43	28	0.85	0.32
10/ 2/87	8.8	-3.3	0.25		M	4.28	89	43	1968	1040	13.7	6.8	M	M	2.61	2.04	290	38	0	0.47	0.31
10/ 3/87	15.0	-5.1	0.00		M	4.15	90	28	1968	1040	14.3	5.2	M	M	1.05	0.39	265	64	0	0.47	0.52
10/ 4/87	23.8	4.0	0.00		M	3.71	66	34	1978	1044	16.4	7.2	M	M	1.22	0.56	263	60	0	0.77	0.85
10/ 5/87	11.2	4.8	3.05		M	0.48	88	59	1981	1044	12.2	9.2	M	M	2.46	1.97	275	36	51	0.85	0.21
10/ 6/87	6.7	0.6	1.27		M	1.63	88	65	1981	1044	10.1	6.4	M	M	2.82	2.43	285	30	2	0.61	0.20
10/ 7/87	8.6	-1.8	0.00		M	3.47	76	49	1981	1044	11.7	4.5	M	M	1.40	0.82	284	52	0	0.50	0.27
10/ 8/87	10.8	1.2	0.00		M	1.66	81	48	1983	1044	10.3	6.5	M	M	1.35	0.50	48	64	0	0.58	0.36
10/ 9/87	4.9	-0.7	0.00		M	1.17	80	61	1983	1044	8.0	5.3	M	M	2.56	2.16	282	32	0	0.48	0.22
10/10/87	5.4	-5.5	0.00		M	2.90	84	48	1983	1044	10.1	4.3	M	M	1.32	0.91	274	45	0	0.38	0.23
10/11/87	11.1	-6.0	0.00		M	3.27	87	40	1983	1044	9.6	2.8	M	M	1.24	0.65	248	56	0	0.45	0.33
10/12/87 *	13.9	-2.2	0.00		M	M	M	M	1984	1044	M	M	M	M	M	M	M	M	M	M	M
10/13/87 *	17.8	-0.6	0.00		M	M	M	M	1988	1044	M	M	M	M	M	M	M	M	M	M	M
10/14/87 *	17.2	0.6	0.00		M	M	M	M	1993	1044	M	M	M	M	M	M	M	M	M	M	M
10/15/87 *	10.6	0.0	0.00		M	M	M	M	1994	1044	M	M	M	M	M	M	M	M	M	M	M
10/16/87 *	7.2	6.1	3.05		M	M	M	M	1996	1044	M	M	M	M	M	M	M	M	M	M	M
10/17/87	8.3	0.6	2.29		M	1.04	M	76	1996	1044	9.3	5.4	M	M	1.43	0.92	279	48	38	0.75	0.06
10/18/87	10.4	-2.1	0.00		M	2.93	97	47	1996	1044	9.9	3.7	M	M	1.45	1.08	262	41	0	0.62	0.21
10/19/87	10.0	-3.9	0.00		M	2.51	94	41	1996	1044	8.3	3.1	M	M	1.04	0.65	256	49	0	0.47	0.25
10/20/87	3.8	-2.2	0.00		M	1.86	100	73	1996	1044	5.5	3.4	M	M	2.05	1.77	285	30	0	0.57	0.07
10/21/87	1.0	-5.6	2.29		M	1.16	98	75	1996	1044	4.6	2.5	M	M	0.93	0.43	285	59	3	0.47	0.06
10/22/87	3.0	-1.7	0.51		M	0.75	100	86	1996	1044	3.1	2.6	M	M	1.02	0.25	14	70	1	0.58	0.04
10/23/87	2.0	-0.8	3.56		M	0.82	100	85	1996	1044	4.6	2.6	M	M	0.67	0.30	278	60	10	0.60	0.03
10/24/87	1.2	-4.0	0.76		M	0.59	100	85	1996	1044	4.7	2.8	M	M	0.81	0.32	293	63	0	0.55	0.04
10/25/87	6.6	-5.7	1.78		M	1.50	M	69	1996	1044	5.2	2.0	M	M	1.34	0.20	321	75	2	0.59	0.13
10/26/87	7.9	0.9	0.00		M	0.57	91	68	1996	1044	6.0	3.5	M	M	2.11	1.37	276	48	0	0.68	0.20
10/27/87	4.1	-1.8	0.00		M	0.79	94	70	1996	1044	4.4	2.4	M	M	1.72	1.49	278	30	0	0.55	0.14

C R O O K S T O N

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 7.22	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
4/ 1/87	0.6	-4.2	0.00		M	5.63	83	53	0	0	-0.3	-0.3	-0.3	-0.4	5.94	5.15	357	29	90	0.38	0.15
4/ 2/87	2.6	-6.2	0.00		M	5.61	84	46	0	0	-0.3	-0.3	-0.4	-0.4	2.58	2.29	344	27	57	0.33	0.20
4/ 3/87 *	9.4	0.0	0.00		M	M	M	M	0	0	M	M	M	M	M	M	M	M	M	M	M
4/ 4/87	13.9	0.4	0.00		M	5.68	81	46	3	0	M	M	M	M	4.82	0.34	236	78	35	0.64	0.41
4/ 5/87	16.1	1.6	0.00		M	5.80	86	42	7	2	M	M	M	M	3.50	0.53	205	75	26	0.65	0.52
4/ 6/87	20.8	0.7	0.00		M	5.64	92	28	14	5	M	M	M	M	1.34	1.02	38	40	57	0.75	0.65
4/ 7/87	20.9	1.6	0.00		M	5.69	96	35	20	9	6.0	0.6	3.5	0.5	1.85	0.97	204	56	53	0.84	0.67
4/ 8/87	23.2	4.8	0.00		M	5.98	78	29	30	16	6.5	1.8	4.2	1.3	4.09	3.50	190	31	6	0.88	0.84
4/ 9/87	11.0	6.3	0.00		M	M	78	M	34	17	5.9	M	4.0	M	3.96	3.53	241	26	3	0.77	0.31
4/10/87	11.9	1.2	0.76		M	2.96	92	56	36	17	4.5	2.0	3.6	1.7	3.29	2.05	208	50	45	0.74	0.21
4/11/87	10.0	0.2	0.00		M	2.64	100	85	37	17	3.2	1.5	2.7	1.3	3.88	3.73	346	16	67	0.77	0.05
4/12/87	14.2	-0.3	0.00		M	2.85	100	57	40	17	4.4	1.0	3.2	1.0	1.86	0.96	287	56	48	0.83	0.20
4/13/87	15.2	1.5	0.00		M	3.10	89	36	43	18	5.4	2.8	3.9	2.4	1.95	1.70	7	29	11	0.74	0.43
4/14/87	18.8	-1.7	0.00		M	6.45	83	15	48	20	7.3	1.3	5.1	1.5	1.39	0.98	67	44	28	0.46	0.82
4/15/87																					

C R O O K S T O N

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 7.22	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
6/ 1/87	24.0	12.6	0.76		M	3.73	91	36	574	414	22.8	18.8	21.1	18.7	4.43	2.76	249	50	36	1.58	0.70
6/ 2/87	22.5	9.4	0.25		M	6.12	82	33	586	423	21.1	15.8	18.8	16.3	6.26	5.71	267	24	10	1.07	0.81
6/ 3/87	19.2	6.9	0.00		M	7.56	86	30	594	429	20.9	14.2	17.8	15.1	4.19	3.19	311	40	2	0.84	0.68
6/ 4/87	22.3	10.2	0.00		M	7.42	83	44	606	438	22.7	15.2	18.9	15.5	3.25	1.35	317	62	0	1.13	0.82
6/ 5/87	26.6	8.9	0.00		M	7.69	92	40	619	448	24.2	15.6	19.9	16.0	2.89	2.27	148	38	7	1.30	1.01
6/ 6/87	33.3	17.9	0.00		M	6.33	90	44	641	467	26.1	18.3	21.3	17.7	3.25	1.99	157	51	7	1.96	1.18
6/ 7/87	28.3	15.3	0.00		M	4.89	94	44	658	481	23.4	19.6	21.0	19.0	2.98	2.41	332	35	31	1.99	0.90
6/ 8/87	18.8	8.2	0.00		M	3.98	94	43	667	487	20.8	17.6	20.0	17.7	2.56	2.20	359	30	8	1.22	0.49
6/ 9/87	23.4	6.8	0.00		M	7.96	96	36	678	495	23.7	14.6	19.7	15.7	1.90	1.42	157	41	26	1.06	0.89
6/10/87	23.4	11.5	6.60		M	1.73	92	58	691	505	19.8	16.0	19.2	16.1	5.25	4.91	148	21	35	1.73	0.40
6/11/87	27.8	17.4	0.00		M	7.75	91	39	709	521	24.3	15.8	20.1	15.7	3.61	2.66	259	42	32	3.09	1.09
6/12/87	30.2	17.2	0.00		M	7.48	91	35	728	537	26.8	17.2	22.0	17.3	2.31	1.36	273	52	23	1.83	1.31
6/13/87	33.5	17.9	0.00		M	7.95	85	26	749	556	28.8	19.6	23.8	19.3	2.28	1.33	266	52	1	1.79	1.70

C R O O K S T O N

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 7.22	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
8/ 1/87	33.4	22.6	0.00		M	5.44	90	53	1657	1327	33.3	25.4	28.7	25.3	2.18	1.75	320	36	39	3.46	1.15
8/ 2/87	33.3	21.5	0.00		M	4.11	91	37	1680	1347	30.8	25.3	27.8	25.5	1.93	1.05	280	55	33	2.53	1.35
8/ 3/87	25.6	14.8	0.00		M	6.21	79	43	1695	1360	29.9	23.8	26.9	24.5	3.92	3.51	321	26	0	1.49	1.06
8/ 4/87	21.9	13.8	0.00		M	4.63	83	56	1709	1371	28.1	22.0	25.6	23.0	2.08	0.73	307	65	0	1.37	0.59
8/ 5/87	29.0	13.7	6.86		M	5.63	90	46	1726	1385	27.6	20.5	24.8	21.8	5.39	2.83	147	56	20	1.81	0.96
8/ 6/87	25.2	14.1	0.00		M	4.79	90	52	1741	1397	25.2	19.7	23.8	21.3	3.02	2.01	290	47	23	1.79	0.61
8/ 7/87	29.1	12.6	0.00		M	5.89	93	37	1757	1411	28.0	18.0	24.3	19.9	2.64	2.05	217	38	34	1.62	1.15
8/ 8/87	31.1	12.8	0.00		M	6.65	91	29	1775	1426	30.1	19.4	25.6	20.8	2.97	1.93	223	48	16	1.48	1.49
8/ 9/87	27.3	15.6	0.00		M	6.06	87	41	1792	1440	29.2	21.3	25.6	22.1	2.28	1.78	350	38	1	1.62	1.01
8/10/87	30.7	12.7	0.00		M	5.68	89	39	1809	1454	28.2	20.3	24.7	21.7	4.98	2.98	144	51	11	1.63	1.37
8/11/87	32.0	17.9	0.00		M	4.10	84	47	1830	1472	27.0	22.6	24.6	22.7	5.52	1.41	304	70	2	2.13	1.27
8/12/87	20.6	9.4	0.00		M	5.40	85	44	1840	1480	26.5	20.6	23.9	21.6	2.98	2.49	334	33	13	1.24	0.71
8/13/87	25.2	6.4	0.00		M	5.39	92	34	1852	1488	25.8	17.5	23.0	19.6	1.72						

C R O O K S T O N

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 7.22	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
10/ 1/87	19.6	2.2	0.00		M	2.54	82	39	2422	1922	14.4	10.3	14.2	12.6	6.61	4.77	337	43	4	0.80	0.55
10/ 2/87	12.1	-2.4	0.00		M	4.07	82	42	2422	1922	12.8	7.5	12.6	10.3	2.99	1.82	344	51	0	0.47	0.36
10/ 3/87	20.8	0.6	0.00		M	4.08	66	23	2428	1926	13.4	7.2	12.3	9.6	5.45	4.15	187	40	0	0.49	0.90
10/ 4/87	25.6	8.3	3.81		M	3.46	74	28	2441	1936	15.4	10.1	13.8	11.2	6.15	4.45	291	43	6	0.80	1.07
10/ 5/87	11.9	4.2	1.27		M	0.76	92	56	2444	1936	12.7	8.1	13.4	10.4	7.44	6.09	327	35	71	0.95	0.13
10/ 6/87	9.8	-1.4	0.00		M	2.79	93	63	2444	1936	9.7	6.8	10.4	9.3	3.86	2.99	352	39	1	0.67	0.18
10/ 7/87	14.3	-4.5	0.00		M	2.71	94	51	2445	1936	9.9	4.7	9.7	7.5	1.92	0.42	167	72	5	0.64	0.24
10/ 8/87	17.3	1.0	0.00		M	2.41	87	42	2450	1938	10.8	7.2	10.2	8.7	5.46	1.41	277	70	0	0.62	0.46
10/ 9/87	4.2	-1.0	0.00		M	1.59	77	53	2450	1938	8.1	5.7	9.8	7.7	5.29	4.90	346	22	0	0.42	0.22
10/10/87	8.8	-6.5	0.00		M	3.80	83	37	2450	1938	8.6	3.7	8.4	6.4	2.54	2.03	266	37	0	0.37	0.31
10/11/87	16.7	-3.3	0.00		M	3.71	74	25	2452	1938	9.7	3.4	8.7	6.0	3.75	2.17	236	53	0	0.42	0.54
10/12/87	18.6	-3.8	0.00		M	3.48	85	26	2455	1939	10.7	4.9	9.4	6.7	3.20	2.37	181	41	0	0.49	0.68
10/13/87	19.4	3.2	0.00		M	2.81	48	19	2462	1943	11.7	7.6	10.4	8.5	4.61	1.93	263	62	0	0.45	0.93
10/14/87	12.9	0.9	0.00		M	2.35	67	40	2464	1943	9.9	6.4	9.7	8.0	2.01	1.45	310	43	0	0.44	0.48
10/15/87	11.5	0.8	2.03		M	0.98	93	50	2466	1943	8.7	6.5	8.8	7.8	1.64	1.11	80	46	39	0.72	0.27
10/16/87	9.8	1.0	0.00		M	0.53	93	87	2467	1943	8.3	6.4	8.7	8.1	1.70	1.30	12	39	77	0.98	0.11
10/17/87	14.8	-1.6	0.00		M	3.04	94	60	2469	1943	8.8	4.2	8.3	6.4	3.60	2.21	215	50	16	0.76	0.23
10/18/87	11.9	-0.6	0.00		M	3.13	86	36	2470	1943	8.4	4.4	8.1	6.5	4.50	4.24	288	20	0	0.50	0.40
10/19/87	10.0	-4.5	0.00		M	2.42	81	41	2470	1943	7.4	3.6	7.7	5.9	2.76	2.13	294	39	0	0.43	0.29
10/20/87	4.5	-5.2	0.00		M	1.13	83	56	2470	1943	5.6	3.2	6.8	5.7	3.45	3.21	336	21	0	0.46	0.19
10/21/87	2.5	-8.5	1.02		M	1.37	94	62	2470	1943	3.8	1.9	5.7	4.2	2.92	2.01	148	45	0	0.44	0.10
10/22/87	4.0	-0.1	0.00		M	0.86	94	81	2470	1943	4.8	3.5	5.3	4.8	1.88	1.20	26	49	26	0.59	0.07
10/23/87	4.8	0.2	0.51		M	0.66	93	83	2470	1943	4.1	3.1	5.1	4.6	3.35	1.53	255	60	32	0.60	0.06
10/24/87	2.9	-0.2	0.00		M	0.67	94	87	2470	1943	4.0	2.5	4.7	4.2	2.74	0.79	146	68	56	0.58	0.06
10/25/87																					

GRAND RAPIDS

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 10	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
4/ 1/87	0.7	-5.8	0.00		M	4.38	86	39	0	0	0.4	0.3	0.0	-0.4	4.06	3.55	345	29	0	M	M
4/ 2/87	2.9	-9.8	0.00		M	6.34	76	22	0	0	0.4	-0.6	0.1	-0.5	2.21	1.85	334	33	0	M	M
4/ 3/87	7.6	-10.	0.00		M	6.47	86	19	0	0	1.4	0.3	0.1	-0.5	1.19	0.35	168	68	0	M	M
4/ 4/87	16.9	-5.0	0.00		M	6.32	80	18	1	0	5.7	0.4	1.5	-0.6	1.16	0.32	189	69	0	M	M
4/ 5/87	20.0	-3.7	0.00		M	6.48	85	15	5	0	13.0	0.4	5.6	-0.4	1.32	0.72	125	55	0	M	M
4/ 6/87	22.3	-2.7	0.00		M	6.56	82	14	11	0	14.4	1.1	7.3	0.8	1.38	0.94	360	46	0	M	M
4/ 7/87	22.0	-2.0	0.00		M	6.65	79	14	16	0	15.2	1.9	8.6	2.1	1.26	0.63	344	57	0	M	M
4/ 8/87	24.6	-1.3	0.00		M	6.63	85	13	23	2	16.6	2.7	9.5	3.0	1.17	0.39	212	66	0	M	M
4/ 9/87	23.6	1.3	0.00		M	6.29	80	13	31	4	15.3	4.1	9.3	4.3	2.48	1.72	174	45	0	M	M
4/10/87	15.7	0.4	0.00		M	4.39	86	21	35	4	12.7	4.5	8.6	4.8	1.18	0.41	203	66	0	M	M
4/11/87	18.8	-1.3	0.00		M	5.54	84	28	39	4	14.5	2.9	9.3	3.9	1.58	0.57	36	65	0	M	M
4/12/87	19.7	-1.1	0.00		M	6.45	86	22	44	4	15.9	3.6	10.0	4.6	1.57	0.85	133	55	0	M	M
4/13/87	14.2	6.0	0.00		M	3.65	72	39	50	4	12.4	6.9	8.6	6.5	2.84	2.12	355	41	0	M	M
4/14/87	18.3	4.3	0.00		M	5.82	63	19	57	6	14.0	4.6	9.2	5.1	3.24	2.21	65	46	0	M	M
4/15/87	18.4	2.1	0.00		M	6.30	86	43													

G R A N D R A P I D S

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 10	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
6/ 1/87	27.4	14.8	15.49		M	4.84	87	64	479	187	24.0	17.6	19.7	16.0	2.14	1.29	171	51	6	M	M
6/ 2/87	22.3	11.7	4.57		M	6.72	78	35	491	194	20.9	14.4	18.0	14.9	2.29	1.60	235	45	13	M	M
6/ 3/87	15.8	5.9	0.00		M	7.74	90	42	497	195	18.6	12.8	15.9	13.0	2.80	1.84	305	47	8	M	M
6/ 4/87	23.5	5.2	0.00		M	5.97	90	36	507	199	19.7	11.1	15.9	12.0	2.05	0.99	288	58	17	M	M
6/ 5/87	25.4	5.3	0.00		M	8.56	90	25	518	204	24.6	11.5	19.6	12.5	1.39	1.08	133	38	25	M	M
6/ 6/87	30.2	10.5	0.00		M	6.83	87	46	534	215	24.7	14.8	20.0	14.2	2.38	1.78	136	41	0	M	M
6/ 7/87	29.2	12.1	0.00		M	5.79	89	47	550	225	25.2	16.6	19.9	15.8	1.55	0.42	250	69	5	M	M
6/ 8/87	17.7	6.1	0.00		M	5.17	91	58	558	227	22.2	15.7	19.0	16.6	2.35	2.02	342	30	11	M	M
6/ 9/87	23.2	2.9	0.00		M	9.09	93	22	566	230	26.5	12.3	20.2	13.6	0.96	0.26	91	69	42	M	M
6/10/87	18.7	7.0	6.35		M	3.07	90	56	575	233	18.8	14.5	19.0	14.6	2.75	2.38	143	30	63	M	M
6/11/87	30.0	11.3	0.00		M	7.07	90	22	591	244	23.4	14.2	18.7	13.8	2.26	1.13	221	57	34	M	M
6/12/87	29.2	14.7	0.00		M	8.42	86	29	608	256	27.5	15.9	21.2	15.2	1.56	0.98	291	50	5	M	M
6/13/87	34.3	13.0	0.00		M	8.97	88	16	628	269	31.4	17.7	23.7	17.2	1.16	0.34	268	68	29	M	M
6/14/87	29.4	12.3	0.00		M	9.17	87	12	644	280	30.2	19.7	23.9	19.1	2.40	1.95	339	35	26	M	M
6/15/87	31.5	9.4	0.00		M	9.13	88	18	660	291	31.1	18.1	24.8	18.3	1.20	0.76	138	49	31	M	M
6/16/87	32.2	11.9																			

G R A N D R A P I D S

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 10	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
8/ 1/87	29.7	20.6	0.00		M	3.57	85	66	1429	798	24.9	22.5	22.6	21.6	1.59	0.49	235	67	37	M	M
8/ 2/87	32.0	19.4	0.00		M	7.01	83	55	1450	814	26.3	22.1	23.4	21.6	1.35	0.61	293	60	43	M	M
8/ 3/87	26.4	15.9	0.00		M	6.25	81	46	1467	825	24.7	22.1	23.1	22.1	2.26	1.43	296	49	15	M	M
8/ 4/87	22.1	10.6	0.00		M	5.26	86	50	1479	831	22.7	20.1	22.2	20.7	1.78	1.12	344	49	31	M	M
8/ 5/87	25.8	9.9	0.00		M	7.28	88	52	1492	839	23.3	18.7	21.2	19.4	2.83	2.60	154	23	48	M	M
8/ 6/87	24.7	13.0	0.00		M	5.23	85	56	1506	848	22.7	20.2	21.1	20.2	2.02	0.81	239	63	30	M	M
8/ 7/87	27.4	10.7	0.00		M	7.02	86	37	1521	857	22.9	18.5	21.0	19.2	1.12	0.47	233	62	45	M	M
8/ 8/87	28.4	11.7	0.00		M	6.52	86	36	1537	867	23.4	19.1	21.3	19.5	0.97	0.36	134	64	51	M	M
8/ 9/87	27.3	13.6	0.00		M	6.83	85	41	1553	877	22.7	19.8	21.1	19.9	1.79	1.24	328	45	46	M	M
8/10/87	26.3	10.5	0.00		M	7.50	86	41	1567	886	22.8	18.7	20.9	19.3	2.61	2.30	145	28	46	M	M
8/11/87	28.5	15.2	2.54		M	5.43	85	60	1584	898	22.8	19.7	21.0	19.7	3.13	2.76	153	28	29	M	M
8/12/87	22.9	10.7	4.83		M	4.19	86	58	1596	905	22.3	19.7	20.9	20.2	1.62	1.13	321	45	60	M	M
8/13/87	26.3	7.4	0.00		M	7.53	87	39	1609	911	22.8	17.4	20.7	18.5	1.11	0.55	85	58	35	M	M
8/14/87	23.1	15.1	12.19		M	2.71	84	74	1623	920	21.3</										

G R A N D R A P I D S

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 10	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
10/ 1/87	18.8	1.5	5.08	M	2.53	90	56	2131	1161	15.9	9.6	14.1	12.4	3.75	2.07	313	54	41	M	M
10/ 2/87	8.7	-1.9	0.00	M	4.85	96	45	2131	1161	13.1	7.5	12.4	10.1	3.05	2.52	338	34	12	M	M
10/ 3/87	16.5	-2.7	0.00	M	4.79	98	22	2133	1161	13.9	6.3	11.8	8.9	1.39	0.93	181	47	6	M	M
10/ 4/87	25.8	4.4	2.29	M	4.48	72	27	2144	1166	15.9	7.9	13.0	9.7	2.17	0.85	210	63	2	M	M
10/ 5/87	12.9	4.7	4.32	M	0.61	98	59	2148	1166	11.9	9.2	12.4	10.5	3.30	2.26	311	45	81	M	M
10/ 6/87	7.1	0.7	0.00	M	2.54	96	63	2148	1166	10.4	6.9	10.5	9.3	3.65	3.24	334	27	13	M	M
10/ 7/87	9.3	-2.3	0.00	M	4.12	89	51	2148	1166	12.0	4.9	10.1	7.5	2.03	1.23	349	51	0	M	M
10/ 8/87	11.2	1.7	0.25	M	2.04	81	47	2150	1166	9.4	6.8	9.4	8.3	3.14	1.93	151	50	0	M	M
10/ 9/87	6.0	-0.5	0.00	M	1.25	91	61	2150	1166	7.6	4.9	9.0	7.0	3.48	2.80	323	36	6	M	M
10/10/87	6.1	-5.4	0.00	M	3.29	92	46	2150	1166	9.7	4.3	8.2	6.3	1.55	0.93	298	51	0	M	M
10/11/87	12.5	-5.7	0.00	M	4.04	94	40	2150	1166	9.7	3.0	8.0	5.3	1.56	0.89	203	53	5	M	M
10/12/87	15.3	-3.9	0.00	M	4.26	99	29	2152	1166	11.6	3.4	8.8	5.6	0.83	0.24	136	68	6	M	M
10/13/87	18.0	0.6	0.00	M	2.72	77	34	2156	1166	10.0	4.8	8.9	6.5	1.65	1.00	165	51	0	M	M
10/14/87	11.3	4.1	0.00	M	2.53	74	46	2160	1166	10.1	5.6	8.7	7.0	1.12	0.71	300	49	0	M	M
10/15/87	8.6	3.7	1.52	M	0.62	98	63	2161	1166	8.0	6.7	8.1	7.4	3.13	2.98	82	18	35	M	M
10/16/87	6.6	3.9	0.25	M	0.44	99	96	2162	1166	8.4	7.3	8.3	7.9	2.04	1.65	345	35	89	M	M
10/17/87	11.1	2.8	0.00	M	2.11	98	61	2165	1166	10.6	6.6	8.8	7.4	1.59	0.36	289	71	8	M	M
10/18/87	8.9	2.0	0.00	M	3.29	92	47	2166	1166	9.3	5.1	8.2	6.8	1.92	1.32	281	45	2	M	M
10/19/87	9.7	-1.4	3.81	M	3.47	98	34	2166	1166	9.5	3.8	7.8	5.7	1.49	0.74	282	58	9	M	M
10/20/87	3.3	-2.1	0.76	M	1.35	99	80	2166	1166	6.7	4.4	6.9	6.0	2.15	1.92	327	26	53	M	M
10/21/87	1.9	-1.5	3.05	M	1.55	98	69	2166	1166	6.0	3.4	6.0	5.0	1.90	0.47	96	70	6	M	M
10/22/87	3.2	-1.3	0.00	M	1.49	99	72	2166	1166	4.6	3.6	5.3	4.9	2.10	1.24	48	52	15	M	M
10/23/87	1.9	-0.9	4.83	M	0.87	100	84	2166	1166	4.7	3.1	5.1	4.3	1.29	1.02	145	37	72	M	M
10/24/87	2.4	-2.7	0.00	M	0.90	100	86	2166	1166	4.8	2.9	4.9	4.4	1.26	0.45	359	65	32	M	M
10/25/87	6.2	-3.4	0.00	M	1.59	100	73	2166	1166	5.0	2.0	4.9	3.4	2.35	1.96	159	33	8	M	M
10/26/87	9.3	1.2	0.00	M	0.85	91	63	2167	1166	6.7	3.8	6.0	4.8	2.66	1.01	257	64	7	M	M
10/27/87	3.6	-2.4	0.00	M	0.66	96	68	2167	1166	4.6	2.6	5.3	4.3	1.79	1.35	306	40	28	M	M
10/28/87	9.3	-5.0	0.00	M	2.53	98	50	2167	1166	6.4	1.9	5.0	3.3	0.76	0.28	178	64	5	M	M
10/29/87	12.4	-2.8	0.00	M	2.51	96	46	2167	1166	7.0	2.0	5.5	3.3	1.73	1.29	169	41	0	M	M
10/30/87	7.2	-1.7	0.00	M	2.37	97	71	2167	1166	7.0	2.9	5.6	4.1	1.81	1.30	345	43	28	M	M
10/31/87	12.5	-0.5	0.00	M	3.03	97	51	2169	1166	8.1	2.6	6.0	3.8	2.15	1.95	145	25	20	M	M
MONTHLY	MEAN 9.6	MEAN -0.5	TOTAL 26.16	TOTAL M	MEAN 2.38	MN. 94	MN. 56	TOTL 43	TOT 5	MEAN 9.0	MEAN 4.8	MEAN 8.2	MEAN 6.5	MEAN 2.09	MEAN 1.38	MN. 239	MN. 47	MN 19	MEAN M	MEAN M

H A V E R H I L L

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
4/ 1/87 *	3.9	-5.0	0.00		M	M	M	0	0	M	M	M	M	M	M	M	M	M	M	M
4/ 2/87 *	2.8	-6.7	0.00		M	M	M	0	0	M	M	M	M	M	M	M	M	M	M	M
4/ 3/87 *	6.7	-8.3	0.00		M	M	M	0	0	M	M	M	M	M	M	M	M	M	M	M
4/ 4/87 *	12.2	-6.1	0.00		M	M	M	0	1	M	M	M	M	M	M	M	M	M	M	M
4/ 5/87 *	16.7	-0.6	0.00		M	M	M	0	4	M	M	M	M	M	M	M	M	M	M	M
4/ 6/87 *	18.9	-1.1	0.00		M	M	M	0	9	M	M	M	M	M	M	M	M	M	M	M
4/ 7/87 *	22.2	1.7	0.00		M	M	M	2	15	M	M	M	M	M	M	M	M	M	M	M
4/ 8/87 *	23.3	2.2	0.00		M	M	M	5	22	M	M	M	M	M	M	M	M	M	M	M
4/ 9/87	24.4	5.9	0.00		M	6.35	72	13	10	29	10.2	5.6	16.3	5.3	0.80	0.57	214	44	7	0.48 1.33
4/10/87	17.7	3.9	0.00		M	5.66	79	19	11	33	10.9	7.5	16.4	8.0	0.69	0.53	266	40	48	0.61 0.71
4/11/87	14.3	0.1	0.00		M	3.70	95	48	11	35	9.9	7.0	12.0	5.9	0.68	0.30	33	60	73	0.74 0.29
4/12/87	20.3	0.3	0.00		M	6.52	95	27	11	40	11.0	6.2	16.6	4.9	0.73	0.38	74	57	51	0.70 0.70
4/13/87	13.8	6.6	0.00		M	2.27	95	53	11	42	10.3	8.4	11.6	8.6	0.78	0.65	89	34	80	0.90 0.28
4/14/87	10.8	7.7	0.76		M	0.88	96	83	11	42	8.7	7.9	9.2	8.2	1.13	1.11	44	12	59	1.04 0.12
4/15/87	13.0	4.2	0.00		M	2.18	98	82	11	44	9.2	7.5	11.9	7.8	0.68	0.52	19	39	79	1.06 0.09
4/16/87	22.3	2.8	0.00		M	5.84	100	32	14	50	12.1	7.1	17.9	6.5	0.66	0.40	241	51	46	0.92 0.55
4/17/87	26.1	4.9	0.00		M	6.53	69	20	19	58	14.0	8.5	20.2	7.5	0.67	0.52	213	39	0	0.70 1.38
4/18/87	28.2	11.2	0.00		M	6.93	62	23	29	68	16.1	11.2	22.6	11.4	0.79	0.71	181	26	0	0.96 1.53
4/19/87	27.0	13.1	0.00		M	6.28	80	41	39	78	16.2	13.1	20.9	13.5	1.20	1.17	153	12	0	1.31 1.18
4/20/87	30.7	9.0	0.00		M	5.40	78	34	49	88	17.9	14.5	23.6	15.7	1.01	0.37	236	64	12	1.33 1.06
4/21/87	9.6	5.2	0.51		M	1.62	92	61	49	88	16.4	11.4	16.4	10.1	0.92	0.79	41	31	67	0.77 0.23
4/22/87	5.7	3.0	0.76		M	1.19	97	90	49	88	11.4	9.1	10.1	7.9	0.79	0.73	46	23	99	0.80 0.05
4/23/87	19.3	4.0	0.00		M	6.82	98	33	50	92	12.5	8.4	16.5	7.3	0.75	0.66	359	27	38	0.89 0.45
4/24/87	17.7	6.4	0.00		M	6.45	70	38	52	96	13.0	9.5	17.4	8.4	0.91	0.78	129	30	0	0.70 0.70
4/25/87	22.9	7.5	0.00		M	7.07	67	43	58	103	15.2	10.3	20.7	9.4	0.91	0.78	149	31	0	0.85 0.85
4/26/87	25.2	7.7	0.00		M	6.71	78	27	64	110	16.6	11.9	22.1	11.3	0.74	0.65	150	28	0	0.95 1.06
4/27/87	18.4	4.7	0.00		M	7.47	67	19	66	114	16.0	13.1	20.0	12.4	0.95	0.89	330	20	0	0.52 1.01
4/28/87	23.8	1.2	0.00		M	7.05	62	16	68	121	15.8	11.3	20.2	9.0	0.72	0.57	222	38	0	0.52 1.19
4/29/87</																				

H A V E R H I L L

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
6/ 1/87	30.5	16.1	4.57		M	6.65	91	43	281	370	21.8	18.9	25.3	18.6	4.38	3.61	194	34	30	2.03	0.69
6/ 2/87	23.7	11.5	0.00		M	6.30	90	40	289	377	20.8	18.8	23.1	17.7	3.34	3.08	259	22	34	1.26	0.83
6/ 3/87	19.4	7.4	0.00		M	7.77	82	45	292	382	19.5	16.8	21.8	15.1	4.58	3.86	302	32	11	0.97	0.67
6/ 4/87	25.2	5.0	0.00		M	7.98	85	35	297	389	20.4	16.0	24.0	14.0	3.22	2.62	235	35	24	1.00	1.08
6/ 5/87	30.7	12.2	0.00		M	7.19	78	32	309	400	22.4	17.9	26.8	17.2	3.19	2.80	204	28	0	1.32	1.60
6/ 6/87	31.9	17.6	0.00		M	7.79	64	29	323	414	23.9	19.9	28.6	19.9	5.47	5.30	206	14	0	1.41	1.86
6/ 7/87	35.2	19.4	2.54		M	7.40	88	29	341	429	25.2	21.1	30.2	21.2	4.87	3.94	235	35	7	1.70	1.75
6/ 8/87	25.9	14.1	1.52		M	7.91	96	50	351	439	25.3	21.9	29.8	21.7	3.19	2.53	341	37	30	1.76	0.75
6/ 9/87	22.0	7.7	0.00		M	8.67	91	35	355	445	25.5	20.5	30.6	18.9	2.97	2.62	66	28	16	1.02	0.82
6/10/87	17.7	12.7	1.02		M	1.93	91	48	361	450	23.9	19.9	23.4	19.0	4.18	3.99	142	18	34	1.17	0.55
6/11/87	27.7	15.4	9.91		M	4.07	100	65	372	462	22.0	19.1	25.0	18.5	3.92	3.41	217	29	36	2.21	0.39
6/12/87	29.4	16.3	0.00		M	8.48	94	41	385	475	24.6	19.8	29.3	19.2	2.52	1.61	295	49	42	1.87	1.12
6/13/87	34.1	17.7	0.00		M	8.29	76	33	401	488	27.3	21.1	33.7	20.4	2.13	1.57	255	42	0	1.81	1.80
6/14/87	35.2	18.0	0.00		M	8.47	79	32	418	502	29.2	23.1	35.8	22.8	2.52	1.84	330	42	0	1.82	1.94
6/15/87	30.0	14.3	0.00		M	8.66	70	28	430	515	28.9	23.9	34.6	23.1	2.96	2.57	61	29	0	1.32	1.60
6/16/87	29.9	15.8	0.00		M	7.72	74	31	443	527	28.2	23.9	33.2	22.8	2.59	2.41	129	21	0	1.46	1.55
6/17/87	24.7	18.1	45.72		M	1.72	100	67	454	539	26.8	22.4	26.8	21.6	3.03	1.83	125	51	40	2.00	0.40
6/18/87	30.6	16.8	0.00		M	7.61	100	59	468	552	26.1	21.2	30.6	20.2	1.53	0.79	12	56	49	2.46	0.64
6/19/87	29.7	19.1	5.59		M	4.10	97	71	482	567	25.2	23.1	29.0	22.4	2.31	1.49	55	48	73	2.33	0.33
6/20/87	24.7	18.9	0.00		M	4.34	M	81	494	578	24.0	21.8	26.6	21.3	2.52	2.33	70	23	35	2.25	0.26
6/21/87	27.0	18.8	1.02		M	5.82	98	68	507	591	24.8	21.8	28.3	21.5	2.08	1.76	31	32	51	2.25	0.41
6/22/87	27.9	17.1	0.25		M	7.15	98	67	519	604	26.7	21.9	32.1	21.3	1.82	1.58	111	30	53	2.24	0.51
6/23/87	29.4	18.5	4.06		M	5.42	93	67	533	618	26.6	22.8	31.2	22.2	2.02	0.86	164	61	55	2.40	0.54
6/24/87	29.1	15.8	0.25		M	7.35	94	52	546	630	26.6	22.8	30.7	21.6	1.71	1.16	335	46	48	2.09	0.69
6/25/87	25.7	13.0	8.13		M	6.30	94	4													

H A V E R H I L L

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
8/ 1/87	34.8	23.2	0.00		M	6.04	91	65	1026	1098	30.6	26.3	35.9	25.4	2.36	1.46	233	50	42	2.96	0.81
8/ 2/87	32.8	20.7	0.00		M	7.30	95	58	1043	1113	32.1	26.7	37.8	25.8	1.91	1.17	334	50	56	2.77	0.85
8/ 3/87	29.2	15.7	12.45		M	3.69	91	76	1055	1126	30.2	26.3	29.8	24.3	2.06	0.53	251	70	64	2.35	0.43
8/ 4/87	23.7	13.8	0.00		M	5.83	91	66	1064	1135	26.4	23.3	27.3	20.5	2.16	1.93	340	26	53	1.73	0.43
8/ 5/87	26.4	13.1	0.00		M	7.24	93	54	1074	1145	27.4	22.1	32.4	19.6	1.53	0.75	138	58	53	1.76	0.59
8/ 6/87	28.7	15.5	5.08		M	4.75	90	67	1086	1157	26.5	23.2	30.5	21.7	2.51	1.78	213	44	43	2.11	0.49
8/ 7/87	26.9	14.9	0.00		M	5.21	91	57	1097	1168	25.8	22.6	28.5	20.6	1.15	0.57	86	57	35	1.90	0.63
8/ 8/87	21.0	17.8	7.11		M	1.07	94	87	1106	1177	24.8	22.7	24.2	21.9	2.16	1.92	82	27	86	2.03	0.23
8/ 9/87	28.7	15.2	32.00		M	6.87	95	60	1118	1189	25.3	21.4	29.3	19.9	2.97	2.29	329	39	51	2.06	0.59
8/10/87	28.0	14.8	0.00		M	7.07	92	56	1130	1200	26.8	21.6	32.4	19.7	1.58	1.05	86	47	53	1.98	0.69
8/11/87	27.7	17.4	0.25		M	5.65	92	70	1142	1213	26.7	22.6	31.9	21.3	2.98	2.66	157	27	38	2.17	0.50
8/12/87	23.7	18.6	5.08		M	2.04	90	81	1154	1224	25.4	23.2	25.4	22.3	2.35	1.43	188	51	46	2.14	0.36
8/13/87	24.3	18.3	0.25		M	2.42	92	77	1165	1235	23.7	22.2	25.7	21.7	2.11	1.58	79	41	47	2.09	0.33
8/14/87	24.2	18.1	7.87		M	1.38	100	85	1176	1246	22.9	21.9	24.5	21.4	1.67	1.37	82	35	99	2.37	0.13
8/15/87	30.6	22.1	0.00		M	6.38	93	70	1192	1262	26.2	22.3	30.7	22.6	2.70	2.43	180	26	35	2.77	0.67
8/16/87	28.7	16.0	32.77		M	4.55	94	70	1205	1275	25.4	23.1	28.6	22.4	3.07	1.17	269	64	59	2.20	0.49
8/17/87	25.8	13.7	0.00		M	6.53	89	59	1214	1285	24.4	21.2	27.6	19.0	2.56	2.16	270	32	62	1.72	0.56
8/18/87	25.1	12.9	0.00		M	6.27	89	52	1223	1294	25.1	21.0	29.2	19.7	2.66	2.12	267	37	58	1.59	0.61
8/19/87	25.7	10.8	0.25		M	5.93	90	47	1232	1302	24.9	20.4	29.7	18.0	1.76	1.17	261	47	59	1.50	0.65
8/20/87	26.9	12.1	0.25		M	5.89	90	61	1241	1311	25.4	20.6	30.6	18.6	2.03	1.70	163	33	51	1.84	0.61
8/21/87	27.8	18.3	0.00		M	3.79	89	76	1254	1324	25.3	22.5	28.9	22.1	2.95	1.50	190	57	47	2.27	0.50
8/22/87	21.8	8.8	0.00		M	5.27	89	53	1259	1330	24.4	21.4	28.1	19.7	2.91	2.62	332	25	25	1.31	0.53
8/23/87	19.9	6.1	0.00		M	6.49	91	46	1262	1335	23.6	19.2	27.8	16.0	1.90	1.60	337	32	57	1.05	0.49
8/24/87	23.4	5.7	0.00		M	6.20	91	40	1267	1342	23.9	18.7	29.1	15.8	1.40	1.12	203	37	50	1.16	0.59
8/25/87	15.8	11.8	2.29		M	1.64	90	78	1271	1346	22.5	19.1	21.9	17.5	1.99	1.57	111	37	63	1.31	0.22
8/26/87	15.5	12.4	2.29		M	1.04	92	87	1275	1350	19.2	18.1	18.5	16.7	2.46	2.17	46	28	99	1.42	0.17
8/27/87	22.8	13.6	1.78																		

H A V E R H I L L

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
10/ 1/87	24.1	6.3	0.25	M	3.68	77	39	1505	1604	17.2	13.8	20.8	12.2	5.33	3.20	271	51	3	0.85	0.83
10/ 2/87	8.7	-2.7	0.00	M	3.70	88	46	1505	1604	16.0	13.0	17.0	10.0	4.72	4.42	343	21	3	0.48	0.32
10/ 3/87	16.3	-2.5	0.00	M	4.69	89	19	1505	1607	14.4	10.2	18.0	6.5	2.26	2.02	208	26	3	0.46	0.63
10/ 4/87	24.4	6.3	0.00	M	4.41	57	29	1510	1614	15.7	11.3	20.2	9.4	3.61	3.42	205	19	0	0.75	1.03
10/ 5/87	14.2	7.4	0.00	M	0.91	79	43	1511	1616	15.1	13.0	15.7	12.4	5.64	5.28	292	20	1	0.83	0.47
10/ 6/87	8.7	3.6	0.00	M	1.20	85	61	1511	1616	13.1	11.1	12.4	9.3	4.82	4.59	319	18	4	0.70	0.24
10/ 7/87	9.7	-3.0	0.00	M	4.46	89	45	1511	1616	12.6	9.4	15.5	6.5	2.54	2.04	336	36	12	0.52	0.28
10/ 8/87	14.0	-1.1	0.00	M	2.83	81	33	1511	1618	11.4	8.6	13.0	5.6	3.06	M	185	34	2	0.54	0.53
10/ 9/87	6.9	1.4	0.00	M	2.48	73	56	1511	1618	11.0	9.0	11.4	6.6	4.24	3.90	306	23	0	0.49	0.29
10/10/87	5.8	-6.5	0.00	M	3.03	84	46	1511	1618	10.6	8.4	12.8	5.4	2.22	1.71	337	39	0	0.40	0.24
10/11/87	10.3	-6.9	0.00	M	3.94	84	28	1511	1618	9.4	6.2	11.7	2.9	2.95	2.69	230	24	2	0.37	0.38
10/12/87	16.2	-1.1	0.00	M	4.18	83	23	1511	1622	11.0	6.5	15.2	3.8	2.28	0.65	256	69	0	0.49	0.56
10/13/87	21.5	2.0	0.00	M	3.63	65	19	1513	1627	12.0	7.7	16.2	5.8	4.89	4.47	190	24	0	0.56	1.03
10/14/87	19.8	8.2	2.03	M	0.80	85	49	1517	1632	11.9	11.0	13.6	11.4	1.98	0.63	16	67	25	0.88	0.49
10/15/87 *	11.7	8.3	37.59	M	0.43	M	63	1517	1633	11.2	10.4	12.3	10.6	2.44	1.67	105	45	99	M	M
10/16/87 *	12.2	5.6	4.83	M	1.28	M	62	1517	1634	11.9	11.0	13.8	10.9	3.09	2.70	268	29	99	M	M
10/17/87 *	11.7	3.9	0.51	M	2.26	M	60	1517	1635	11.4	9.9	14.1	9.0	3.76	2.86	276	40	52	M	M
10/18/87	11.3	1.7	0.00	M	2.22	85	45	1517	1636	10.3	8.7	12.2	6.9	3.17	2.77	286	29	12	0.71	0.30
10/19/87	12.6	-0.3	0.00	M	3.25	86	30	1517	1637	9.5	6.9	11.9	4.7	2.28	1.63	247	43	13	0.52	0.38
10/20/87	14.7	-0.4	0.00	M	1.36	87	53	1517	1639	8.0	6.3	7.1	4.4	4.49	4.06	301	25	0	0.60	0.17
10/21/87	5.7	-0.6	0.25	M	3.00	87	55	1517	1639	7.4	5.3	8.9	3.5	3.06	1.76	294	53	7	0.53	0.19
10/22/87	7.8	0.9	0.00	M	2.33	86	63	1517	1639	7.3	5.7	8.6	4.1	3.79	0.48	27	76	1	0.60	0.19
10/23/87	7.5	0.6	0.00	M	1.33	86	63	1517	1639	6.9	5.9	7.4	4.7	2.11	1.04	236	58	10	0.58	0.19
10/24/87	3.3	1.8	5.59	M	1.30	87	70	1517	1639	6.6	5.4	6.8	3.8	2.09	1.17	330	54	76	1.86	0.51
10/25/87 *	9.4	1.6	0.25	M	2.67	86	51	1517	1639	6.1	4.3	7.6	2.7	M	M	175	17	11	0.78	0.26
10/26/87	9.4	-2.2	0.00	M	0.57	M	62	1517	1639	5.9	4.5	6.9	3.3	4.22	2.45	248	52	40	M	M
10/27/87	9.0	-2.4	0.25	M	2.79	84	51	1517	1639	6.1	4.3	7.7	3.0	3.91	3.67	298	20	7	0.54	0.22
10/28/87	8.9	-3.7	0.00	M	2.10	85	42	1517	1639	6.0	4.2	7.5	2.9	2.44	0.98	260	63	0	0.49	0.26
10/29/87	13.4	1.0	0.00	M	2.93	71	42	1517	1641	6.8	4.5	9.2	3.5	4.09	3.61	154	28	0	0.55	0.43
10/30/87	14.0	2.4	0.00	M	3.20	84	44	1517	1643	8.1	5.2	11.5	4.4	2.84	1.04	356	64	10	0.66	0.41
10/31/87	11.7	2.5	3.56	M	2.19	85	66	1517	1644	7.8	5.6	10.0	4.8	4.44	4.27	107	16	20	0.88	0.27
MONTHLY	MEAN 12.1	MEAN 1.0	TOTAL 55.12	TOTAL M	MEAN 2.55	MN. M	MN. 47	TOTL 17	TOT 47	MEAN 10.3	MEAN 8.0	MEAN 12.2	MEAN 6.3	MEAN M	MEAN M	MN. 241	MN. 38	MN 17	MEAN M	MEAN M

L A M B E R T O N

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
4/ 1/87	5.5	-4.2	0.00		M 2.91	M	M	0	0	3.1	1.4	2.7	2.0	7.50	7.07	328	19	M	M	M
4/ 2/87	4.5	-6.9	0.00		M 6.32	M	M	0	0	2.5	0.5	2.3	1.4	5.03	4.69	324	21	M	M	M
4/ 3/87	9.6	-6.8	0.00		M 6.35	M	M	0	0	6.7	0.6	4.2	1.4	2.09	0.96	235	59	M	M	M
4/ 4/87	15.6	-3.2	0.00		M 6.33	M	M	0	3	8.9	1.6	5.8	2.4	2.80	2.33	203	33	M	M	M
4/ 5/87	19.1	-3.7	0.00		M 6.36	M	M	0	7	9.4	2.6	6.5	3.5	2.95	1.62	31	55	M	M	M
4/ 6/87	20.6	-2.9	0.00		M 6.50	M	M	0	13	10.6	3.2	7.6	4.2	2.84	1.80	20	49	M	M	M
4/ 7/87	23.6	1.1	0.00		M 6.38	M	M	2	19	12.2	4.7	8.9	5.4	3.42	2.39	329	45	M	M	M
4/ 8/87	25.1	2.5	0.00		M 6.34	M	M	6	27	14.3	5.9	10.5	6.5	2.62	2.17	240	34	M	M	M
4/ 9/87	23.1	6.0	0.00		M 5.03	M	M	11	34	12.2	7.6	10.0	7.9	5.36	4.21	230	37	M	M	M
4/10/87	16.5	0.7	11.43		M 4.70	M	M	11	37	10.9	6.5	9.4	7.4	4.07	3.58	250	28	M	M	M
4/11/87	15.9	0.6	3.81		M 3.53	M	M	11	40	10.9	6.1	8.9	7.0	3.22	2.37	339	42	M	M	M
4/12/87	19.9	1.8	0.51		M 5.20	M	M	11	45	13.8	6.6	10.5	7.3	2.64	1.62	332	50	M	M	M
4/13/87	10.6	7.4	5.08		M 1.17	M	M	11	45	10.8	9.0	10.2	9.1	3.51	2.65	37	40	M	M	M
4/14/87	16.9	6.7	0.00		M 3.62	M	M	13	48	11.1	7.8	9.5	8.1	7.20	6.91	32	16	M	M	M
4/15/87	19.9	4.9	0.00		M 6.04	M	M	16	53	14.4	8.0	11.4	8.4	3.80	2.13	3	54	M	M	M
4/16/87	23.4	5.0	0.00	7.62	6.21	M	M	20	60	14.8	8.8	12.0	9.2	4.12	1.65	293	63	M	M	M
4/17/87	29.8	8.0	0.00	8.89	6.28	M	M	29	70	16.7	9.4	13.3	9.8	4.45	4.07	218	24	M	M	M
4/18/87	30.8	11.7	0.00	11.43	6.62	M	M	40	81	17.9	11.6	14.5	11.4	6.63	6.11	177	23	M	M	M
4/19/87	31.7	14.9	0.00	12.70	5.37	M	M	53	93	18.7	13.3	15.4	12.8	7.66	7.17	164	21	M	M	M
4/20/87	23.5	6.6	0.00	3.81	1.79	M	M	58	100	17.3	11.6	15.4	12.5	6.40	5.48	328	31	M	M	M
4/21/87	15.2	2.5	0.00	5.84	4.69	M	M	58	103	13.3	9.1	12.5	10.5	5.99	5.13	21	31	M	M	M
4/22/87	15.3	3.0	1.02	3.81	3.29	M	M	58	105	13.1	9.3	11.5	10.1	3.57	2.06	21	53	M	M	M
4/23/87	22.0	2.2	0.00	7.11	6.82	M	M	60	111	15.9	8.1	12.8	9.3	4.28	2.74	5	49	M	M	M
4/24/87	23.4	7.6	0.00	7.62	4.92	M	M	66	118	30.4	10.2	28.8	10.0	6.78	5.78	144	31	M	M	M
4/25/87	26.5	11.0	0.00	11.43	6.89	M	M	75	127	17.6	10.3	13.4	10.2	5.10	0.47	9	77	M	M	M
4/26/87	29.6	7.2	0.00	7.62	5.05	M	M	83	137	17.9	11.4	14.1	11.6	3.04	0.74	81	70	M	M	M
4/27/87	19.1	5.8	0.00	10.67	6.93	M	M	86	141	16.3	11.7	14.0	12.1	5.37	4.48	341	33	M	M	M
4/28/87	30.2	-0.1	0.00	10.41	6.87	M	M	91	151	17.7	9.9	14.1	11.0	4.31	3.23	239	41	M	M	M
4/29/87	24.1	6.2	0.00	7.62	6.70	M	M	96	158	18.2	12.7	14.8	12.6	4.72	3.59	10	40	M	M	M
4/30/87	24.2	0.8	0.00	9.65	7.14	M	M	98	165	17.9	10.8	14.5	11.9	3.29	2.79	166	31	M	M	M

L A M B E R T O N

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
6/ 1/87	28.7	13.5	0.00	8.38	6.07	M	M	373	444	25.6	20.6	21.7	19.7	5.81	3.79	290	48	M	M	M
6/ 2/87	24.0	10.9	0.00	9.65	4.85	M	M	380	451	22.1	18.2	21.2	18.5	4.29	3.99	308	21	M	M	M
6/ 3/87	20.0	8.2	0.00	10.92	8.12	M	M	384	456	23.4	16.6	19.8	17.3	4.69	3.79	358	35	M	M	M
6/ 4/87	28.7	7.4	0.00	11.18	8.09	M	M	393	466	24.7	16.2	20.4	17.0	4.16	3.71	299	27	M	M	M
6/ 5/87	34.0	14.2	0.00	12.03	7.82	M	M	407	478	26.2	18.3	21.6	18.3	4.76	3.49	257	42	M	M	M
6/ 6/87	36.4	19.4	0.00	11.68	7.45	M	M	425	493	26.1	20.6	22.0	19.7	8.04	7.86	263	12	M	M	M
6/ 7/87	33.9	18.8	0.51	11.68	7.14	M	M	441	507	27.8	21.6	23.0	20.5	5.58	3.03	317	55	M	M	M
6/ 8/87	25.8	14.7	0.00	11.94	7.60	M	M	451	517	27.1	21.3	22.7	20.8	4.43	3.99	32	26	M	M	M
6/ 9/87	25.1	10.9	7.62	1.78	7.22	M	M	459	525	25.9	19.8	22.1	19.9	4.11	2.98	161	42	M	M	M
6/10/87	23.5	13.4	10.67	M	3.59	M	M	468	534	22.6	19.2	21.6	19.4	5.21	4.45	204	31	M	M	M
6/11/87	30.5	15.9	0.00	7.62	7.67	M	M	481	547	27.6	18.9	22.6	18.9	3.26	2.19	308	46	M	M	M
6/12/87	33.2	17.6	0.00	10.41	8.06	M	M	496	560	30.3	20.5	24.2	20.2	2.01	1.57	331	38	M	M	M
6/13/87	36.6	17.8	0.00	13.46	8.04	M	M	513	574	30.4	22.1	24.9	21.6	3.31	2.73	321	34	M	M	M
6/14/87	34.7	17.3	0.00	12.70	8.21	M	M	529	588	30.3	22.7	25.1	22.2	4.02	2.89	19	43	M	M	M
6/15/87	33.0	13.3	0.00	11.18	8.38	M	M	543	600	29.4	21.7	24.7	21.9	3.24	2.62	148	35	M	M	M
6/16/87	32.5	17.3	2.54	9.40	7.51	M	M	557	613	29.1	22.7	24.6	22.2	3.80	3.39	198	27	M	M	M
6/17/87	28.0	18.7	7.37	M	3.31	M	M	571	627	26.1	22.8	24.3	22.2	3.10	1.60	169	56	M	M	M
6/18/87	31.1	17.1	0.00	7.62	7.40	M	M	585	640	28.3	21.3	23.9	21.0	2.30	1.73	30	40	M	M	M
6/19/87	31.6	17.8	13.72	M	6.76	M	M	600	654	28.4	22.1	24.0	21.7	2.60	1.69	103	48	M	M	M
6/20/87	25.4	17.8	0.00	1.27	3.19	M	M	611	666	24.6	22.2	23.4	21.7	1.79	1.44	126	36	M	M	M
6/21/87	30.6	14.9	0.00	3.81	5.60	M	M	624	678	26.4	21.2	22.9	20.9	1.44	0.83	191	53	M	M	M
6/22/87	32.4	17.2	0.00	9.40	7.31	M	M	639	692	27.5	21.8	23.7	21.3	2.86	2.66	180	21	M	M	M
6/23/87	28.5	16.0	0.00	8.38	7.45	M	M	651	704	27.2	23.1	23.7	22.2	2.90	1.41	347	58	M	M	M
6/24/87	29.2	14.8	7.11	M	3.48	M	M	663	716	24.2	21.7	23.3	21.3	1.72	0.54	286	67	M	M	M
6/25/87	25.6	13.9	0.00	9.14	7.73	M	M	673	726	24.0	20.2	21.6	20.3	3.34	2.91	1	29	M	M	M
6/26/87	22.9	9.9	0.00	7.62	8.40	91	33	679	732	23.1	18.3	21.0	19.1	4.16	3.50	359	32	0	1.09	0.90
6/27/87	28.7	7.8	1.52	8.89	7.98	92	27	687	741	24.4	17.8	21.2	18.6	3.08	1.99	317	48	16	1.22	1.22
6/28/87	31.8	14.5	0.25	6.35	6.21	90	43	700	754	24.5	19.6	21.5	19.6	3.82	3.36	292	28	26	1.88	0.95
6/29/87	23.7	11.9	0.00	7.37	6.89	94	44	708	761	24.7	19.9	21.6	19.9	3.31	2.74	15	34	23	1.55	0.61
6/30/87	26.9	10.0	0.00	7.11	8.19	88	34	717	770											

L A M B E R T O N

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
8/ 1/87	33.6	21.6	0.00	7.11	6.40	M	M	1166	1195	34.1	28.2	29.9	27.6	2.44	0.68	8	69	8	M	M
8/ 2/87	35.7	20.0	0.00	7.37	7.53	M	M	1184	1210	35.1	27.1	30.2	27.1	1.67	0.54	301	67	28	M	M
8/ 3/87	28.0	15.8	0.00	5.59	5.31	M	M	1196	1222	31.4	27.6	29.7	27.4	2.50	1.82	21	42	14	M	M
8/ 4/87	23.7	12.4	0.00	3.81	6.19	M	M	1204	1230	29.6	24.1	27.8	25.1	2.49	1.85	9	41	14	M	M
8/ 5/87	27.4	11.6	0.00	7.62	5.75	M	M	1213	1239	28.3	22.7	26.2	23.8	3.23	2.93	226	25	31	M	M
8/ 6/87	27.0	16.5	0.00	4.57	5.49	M	M	1225	1251	28.7	23.9	25.8	24.1	2.77	1.77	316	49	9	M	M
8/ 7/87	26.3	15.4	0.00	5.33	4.91	M	M	1236	1262	27.9	23.2	25.4	23.7	2.04	1.65	161	36	23	M	M
8/ 8/87	24.4	13.6	18.29	M	2.83	M	M	1245	1271	26.4	21.3	25.1	23.2	2.36	1.50	68	49	59	M	M
8/ 9/87	29.0	12.2	0.00	4.83	7.33	M	M	1255	1281	27.2	18.8	24.0	20.9	2.28	1.72	349	40	41	M	M
8/10/87	29.8	14.8	0.00	6.35	7.15	M	M	1268	1294	29.7	20.6	25.3	21.7	2.31	2.01	197	29	32	M	M
8/11/87	29.6	18.7	0.00	7.62	7.01	M	M	1282	1308	28.9	22.7	25.4	23.1	4.63	4.38	229	19	12	M	M
8/12/87	23.7	15.5	0.00	5.33	3.77	M	M	1292	1317	26.5	23.2	25.1	23.7	3.51	1.77	355	57	0	M	M
8/13/87	27.5	14.8	0.00	4.32	5.67	M	M	1303	1329	28.5	21.3	24.8	22.0	2.00	1.40	114	44	18	M	M
8/14/87	27.3	16.7	0.25	3.56	3.07	M	M	1315	1341	26.0	22.7	24.3	22.7	2.05	1.74	170	32	56	M	M
8/15/87	32.7	19.2	16.76	M	6.80	M	M	1331	1355	30.4	22.8	26.0	22.7	3.78	2.79	240	42	40	M	M
8/16/87	25.5	14.8	0.00	6.10	5.65	M	M	1341	1365	26.5	22.4	25.6	23.3	2.77	1.96	345	44	38	M	M
8/17/87	26.3	11.3	0.00	5.08	6.96	M	M	1350	1374	27.5	19.0	23.9	21.0	2.04	1.69	316	34	0	M	M
8/18/87	24.9	11.3	0.00	6.10	7.25	M	M	1358	1382	27.6	19.6	23.9	21.1	2.88	2.46	338	31	0	M	M
8/19/87	27.1	11.5	0.00	5.08	5.75	M	M	1367	1391	27.8	19.7	23.8	20.9	1.51	1.26	283	33	0	M	M
8/20/87	29.3	11.4	0.51	3.81	5.58	M	M	1377	1402	27.3	19.8	23.7	21.0	2.01	1.55	214	39	2	M	M
8/21/87	28.5	15.7	0.00	6.35	3.58	M	M	1389	1414	26.3	22.3	23.7	22.1	3.02	0.49	63	74	20	M	M
8/22/87	21.5	9.5	0.00	1.78	5.04	M	M	1395	1420	24.2	20.0	23.3	21.1	3.18	2.87	11	25	0	M	M
8/23/87	22.7	5.4	0.00	6.10	7.07	M	M	1399	1426	25.6	17.4	22.3	19.4	1.98	1.09	1	54	0	M	M
8/24/87	22.6	7.5	1.02	6.60	5.44	M	M	1404	1432	24.2	18.3	21.7	19.6	2.82	2.64	247	20	12	M	M
8/25/87	14.8	11.5	0.00	M	1.02	M	M	1407	1436	20.9	17.2	21.2	18.4	2.89	2.71	158	20	99	M	M
8/26/87	17.1	12.6	1.02	1.27	1.50	M	M	1412	1440	18.1	16.7	18.4	17.6	2.09	1.87	68	26	54	M	M
8/27/87	17.5	13.3	0.00	M	1.45	M	M	1417	1446	18.4	16.8	18.0	17.5	1.63	1.46	23	26	39	M	M
8/28/87	24.9	11.7	0.00	5.08	5.86	M	M	1426	1454	23.5	16.3	20.2	17.1	1.53	0.85	351	54	51	M	M
8/29/87																				

L A M B E R T O N

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
10/ 1/87	25.4	5.5	0.00	9.40	3.74	61	29	1650	1701	19.2	14.0	16.2	14.3	7.54	4.75	309	49	0	0.84	1.04
10/ 2/87	11.2	-1.8	0.00	2.03	4.50	73	35	1650	1701	16.5	11.7	15.5	13.0	5.32	4.67	341	28	0	0.45	0.45
10/ 3/87	19.7	-3.7	0.00	7.62	4.66	86	18	1650	1706	16.2	8.9	13.5	11.1	3.95	3.78	216	17	0	0.46	0.84
10/ 4/87	31.9	8.9	0.00	7.62	4.03	57	13	1661	1716	18.9	11.6	15.1	12.2	4.32	3.36	258	38	0	0.65	1.67
10/ 5/87	16.8	6.6	0.00	3.81	1.20	69	37	1662	1720	15.9	12.7	14.8	13.2	7.39	6.87	324	22	0	0.74	0.64
10/ 6/87	13.5	0.6	0.00	3.56	4.28	86	44	1662	1721	14.9	10.3	13.2	11.5	6.10	5.69	338	21	0	0.65	0.35
10/ 7/87	13.3	-2.1	0.00	3.81	4.47	92	35	1662	1723	15.2	8.0	12.3	10.0	2.36	1.57	319	47	10	0.52	0.37
10/ 8/87	20.6	0.7	0.00	M	3.31	66	36	1663	1728	14.1	8.8	11.9	10.0	5.03	2.83	234	54	0	0.59	0.74
10/ 9/87	5.6	-3.7	0.00	M	2.37	68	47	1663	1728	11.4	8.0	11.6	9.7	5.49	4.98	333	25	0	0.42	0.31
10/10/87	6.3	-6.8	0.00	M	3.72	79	44	1663	1728	11.6	5.5	9.7	7.8	2.69	1.99	325	41	0	0.35	0.25
10/11/87	13.3	-7.0	0.00	M	4.07	76	37	1663	1730	11.2	4.7	9.2	6.9	3.69	3.53	246	17	0	0.45	0.43
10/12/87	18.4	0.5	0.00	M	4.11	67	25	1663	1734	14.3	6.3	10.6	7.6	2.09	0.94	276	60	0	0.51	0.70
10/13/87	23.3	4.4	3.05	M	2.26	58	21	1667	1741	13.2	8.3	10.9	8.8	4.20	3.12	228	41	1	0.61	1.12
10/14/87	14.6	5.6	3.05	M	1.09	93	35	1667	1743	12.1	10.0	10.9	9.9	2.57	1.86	7	43	31	0.62	0.56
10/15/87	10.9	6.2	0.00	M	0.55	95	91	1667	1744	11.1	9.6	10.3	9.6	2.18	0.38	120	74	57	1.03	0.08
10/16/87	10.5	3.2	0.00	M	1.11	95	82	1667	1744	10.5	8.3	10.1	9.0	3.09	2.82	304	24	65	0.89	0.10
10/17/87	15.9	0.8	0.00	M	3.78	95	44	1667	1747	12.8	6.7	10.1	8.0	3.59	2.59	252	43	36	0.83	0.31
10/18/87	9.9	-1.4	0.00	M	2.25	87	49	1667	1747	10.6	7.0	9.7	8.1	3.18	2.67	312	32	0	0.62	0.29
10/19/87	11.9	-3.1	0.00	M	2.50	88	36	1667	1748	10.1	4.7	8.5	6.6	3.04	2.60	287	31	1	0.54	0.34
10/20/87	4.3	-1.4	0.00	M	1.47	96	68	1667	1748	7.8	4.8	8.1	6.3	4.05	3.81	319	20	26	0.55	0.08
10/21/87	5.3	-5.6	0.00	M	2.90	95	52	1667	1748	7.0	2.7	6.3	4.9	2.79	1.53	208	54	5	0.48	0.21
10/22/87	7.4	-2.7	0.00	M	2.57	94	67	1667	1748	7.8	3.7	6.5	5.1	3.86	2.70	325	44	7	0.56	0.18
10/23/87	7.8	-1.5	0.00	M	1.35	94	61	1667	1748	7.5	4.4	6.4	5.3	2.21	1.63	260	41	1	0.59	0.17
10/24/87	4.9	-5.8	0.00	M	1.84	95	74	1667	1748	6.7	3.5	6.2	4.9	3.09	2.44	348	37	0	0.51	0.08
10/25/87	7.2	-3.6	0.00	M	0.75	94	59	1667	1748	5.1	2.7	5.3	4.1	4.94	4.81	195	13	0	0.65	0.13
10/26/87 *	13.9	3.3	0.00	M	M	M	M	1667	1750	M	M	M	M	M	M	M	M	M	M	M
10/27/87	7.6	-3.5	0.00	M	0.36	90	57	1667	1750	6.8	4.1	5.8	5.2	2.88	2.17	312	40	0	0.50	0.22
10/28/87	14.4	-3.2	0.00	M	2.58	90	31	1667	1752	8.3	2.7	6.0	4.1	2.58	1.70	209	47	0	0.51	0.38
10/29/87	19.0	-3.3	0.00	M	3.15	90	36	1667	1756	10.6	3.2	7.2	4.4	2.17	1.71	197	37	0	0.64	0.45
10/30/87 *	10.0	8.3	0.00	M	M	M	M	1667	1756	M	M	M	M	M	M	M	M	M	M	M
10/31/87	13.1	-1.5	0.00	M	2.00	89	69	1667	1758	9.3	4.9	7.7	5.9	3.22	2.94	126	24	0	0.81	0.22
MONTHLY	MEAN 13.2	MEAN -0.2	TOTAL 6.10	TOTAL M	MEAN M	MN. M	MN. M	TOTL 22	TOT 65	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MN. M	MN. M	MN. M	MEAN M	MEAN M

M O R R I S

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
4/ 1/87	3.5	-4.9	0.00		M 4.25	81	48	0	0	-0.5	-0.5	-1.1	-1.3	7.49	7.18	322	16	0	0.39	0.21
4/ 2/87	2.7	-6.6	0.00		M 6.01	80	42	0	0	-0.5	-0.5	-1.1	-1.2	4.19	3.66	314	29	0	0.32	0.21
4/ 3/87	7.8	-6.2	0.00		M 6.10	82	44	0	0	1.2	-0.6	-1.0	-1.2	1.94	1.54	134	37	0	0.41	0.27
4/ 4/87	14.1	-2.3	0.00		M 6.05	78	36	1	2	6.0	-0.5	-0.1	-1.1	2.99	2.58	147	30	0	0.52	0.43
4/ 5/87	17.5	-1.2	0.00		M 6.17	74	26	5	6	7.9	-0.5	0.8	-1.1	2.11	1.72	63	35	0	0.53	0.67
4/ 6/87	20.6	0.9	0.00		M 6.24	67	20	11	11	8.3	-0.3	1.5	-1.0	2.78	2.46	39	27	0	0.50	0.90
4/ 7/87	22.3	2.2	0.00		M 6.25	75	17	19	17	9.9	0.0	3.3	-0.8	1.74	1.42	328	35	0	0.56	1.04
4/ 8/87	24.5	0.9	0.00		M 6.34	81	14	28	25	9.8	0.5	4.3	-0.3	2.49	1.85	202	41	0	0.58	1.11
4/ 9/87	19.8	3.6	0.00		M 5.33	75	34	35	29	8.0	1.3	3.9	0.7	4.70	2.39	212	57	0	0.66	0.63
4/10/87	12.8	0.6	1.78		M 4.25	80	49	37	31	6.3	0.7	3.2	0.4	3.86	2.85	240	42	3	0.63	0.32
4/11/87	17.1	-0.4	0.00		M 5.53	80	24	41	34	9.4	2.0	4.9	1.4	3.64	3.01	353	34	0	0.61	0.55
4/12/87	16.5	-3.6	0.25		M 4.64	88	47	43	38	10.7	3.5	6.2	2.6	3.01	2.67	325	27	1	0.69	0.45
4/13/87	13.1	6.3	0.51		M 1.98	72	52	48	39	7.3	5.2	5.6	4.4	5.36	4.99	14	22	11	0.75	0.45
4/14/87	18.4	4.1	0.00	1.27	6.05	65	33	55	43	10.0	3.0	6.1	3.1	5.34	4.96	30	22	0	0.63	0.73
4/15/87	20.7	1.3	0.00	5.84	6.50	77	24	62	49	13.3	3.2	8.0	3.4	2.43	1.02	35	62	0	0.71	0.72
4/16/87	22.1	4.2	0.00	3.56	6.49	76	16	70	55	12.3	5.3	8.1	5.1	4.09	1.70	306	62	0	0.62	1.02
4/17/87	29.7	5.5	0.00	6.60	6.29	68	15	83	65	14.7	5.6	9.6	5.4	3.36	0.93	201	69	0	0.72	1.50
4/18/87	31.4	11.2	0.00	9.91	6.65	58	12	100	75	14.4	8.1	10.1	7.2	7.16	6.65	151	22	0	0.76	1.97
4/19/87	32.3	14.6	5.84	13.72	5.37	63	24	119	88	15.7	9.9	11.2	8.4	7.84	7.03	136	26	7	1.13	1.74
4/20/87	19.1	5.1	1.52	9.91	2.78	74	54	127	92	13.9	7.4	11.1	8.1	6.88	6.58	320	17	2	0.83	0.43
4/21/87	16.1	1.3	0.00	4.32	6.95	73	20	131	95	12.4	4.4	8.8	5.6	4.22	3.62	11	31	0	0.47	0.64
4/22/87	26.0	0.1	0.00	5.59	5.91	62	14	140	103	26.2	3.9	25.9	5.1	1.83	1.23	17	46	3	0.45	0.88
4/23/87	18.7	4.3	0.00	4.57	6.75	60	18	147	107	13.5	5.8	10.6	7.1	3.80	3.30	15	29	0	0.43	1.08
4/24/87	18.8	9.3	0.00	9.40	3.80	49	29	157	112	10.8	7.8	9.9	8.3	8.22	7.93	111	15	1	0.64	1.00
4/25/87	25.7	8.4	0.00	5.59	6.90	79	24	169	120	17.6	7.6	13.1	8.2	2.97	2.14	64	43	0	0.92	1.07
4/26/87	28.7	11.1	0.00	5.84	5.49	70	21	185	130	17.3	10.3	13.7	10.3	4.10	0.26	25	78	3	0.95	1.37
4/27/87	18.2	3.6	0.00	11.18	6.95	64	23	191	134	14.6	8.5	12.9	9.9	4.53	4.28	328	19	0	0.49	0.90
4/28/87	28.8	1.6	0.00	8.13	6.89	67	20	202	143	16.7	6.8	13.2	8.6	3.57	2.63	200	41	0	0.69	1.45
4/29/87	20.6	7.4	0.00	9.65	7.24	53	15	211	148	16.4	9.9	13.7	10.5	4.28	3.66	356	31	0	0.50	1.27
4/30/87	22.9	5.3	0.00	11.43	6.00	52	18	221	155	14.3	8.0	12.6	9.6	5.82	5.02	123	30	0	0.51	1.21
MONTHLY	MEAN 19.7	MEAN 2.9	TOTAL 9.90	TOTAL M	MEAN 5.74	MN. 71	MN. 28	TOTL 221	TOT 155	MEAN 11.3	MEAN 4.2	MEAN 7.6	MEAN 4.2	MEAN 4.22	MEAN 3.38	MN. 171	MN. 36	MN 1	MEAN 0.62	MEAN 0.87
5/ 1/87	20.9	9.8	0.00	6.60	4.95	88	34	232	160	14.6	10.5	13.0	10.8	7.43	6.65	103	26	2	0.91	0.79
5/ 2/87	18.3	8.5	3.05	4.32	2.85	91	63	241	164	12.0	9.7	12.2	10.5	6.53	6.36	86	13	22	1.17	0.25
5/ 3/87	22.2	6.3	0.00	8.64	6.97	69	27	251	171	14.9	8.0	12.7	9.2	6.07	5.76	91	18	0	0.73	0.90
5/ 4/87	20.9	3.8	0.00	5.33	6.39	71	21	259	176	15.3	7.9	13.1	9.4	4.00	3.62	106	25	0	0.58	0.99
5/ 5/87	22.7	6.7	0.00	5.59	5.42	65	25	269	182	15.9	8.7	13.5	10.0	3.57	2.49	188	44	0	0.72	1.11
5/ 6/87	23.1	9.8	0.00	8.64	7.28	83	20	281	189	17.8	10.3	15.0	11.1	3.52	2.17	3	50	0	0.79	1.17
5/ 7/87	25.8	5.8	0.00	8.38	7.15	74	17	292	197	18.2	10.2	15.4	11.4	3.30	1.95	346	52	0	0.64	1.46
5/ 8/87	30.2	5.7	0.00	10.92	7.43	91	15	306	207	19.5	10.7	16.4	11.8	3.99	3.14	208	37	0	0.79	1.76
5/ 9/87	30.5	16.9	0.00	11.18	7.28	62	25	325	220	22.5	13.9	18.7	14.1	4.10	0.76	321	73	0	1.12	1.86
5/10/87	33.3	14.9	0.00	10.16	5.39	47	20	345	233	20.6	14.7	17.9	15.1	4.87	1.41	174	68	2	1.02	1.99
5/11/87	19.6	8.8	0.00	4.99	7.77	62	26	354	237	19.5	13.6	17.4	14.7	4.96	4.53	332	24	0	0.71	1.01
5/12/87	26.6	6.1	5.33	5.59	5.48	68	21	366	246	16.8	11.4	16.2	13.1	6.51	6.08	160	21	15	0.73	1.39
5/13/87	28.1	13.0	1.02	5.33	5.33	95	32	383	256	19.3	13.3	16.5	13.8	6.15	3.17	171	56	14	1.56	0.89
5/14/87	23.6	10.2	0.00	8.13	7.67	84	24	395	263	20.6	12.2	17.5	13.5	3.04	2.58	320	32	0	0.91	1.11
5/15/87	31.0	10.7	0.00	11.68	7.21	75	27	411	274	20.8	12.7	17.9	13.9	5.89	5.49	178	21	0	1.14	1.66
5/16/87	34.0	19.0	0.00	14.99	7.49	63	30	433	288	23.3	15.9	19.8	15.9	6.43	6.08	208	19	0	1.48	2.06
5/17/87	25.8	10.1	1.52	8.38	6.65	90	44	447	296	22.9	16.8	20.0	17.0	5.27	4.31	42	35	8	1.48	0.59
5/18/87	10.3	5.1	1.02	2.54	1.17	98	88	450	296	17.5	10.8	18.5	12.9	5.97	5.84	68	12	48	1.01	0.08
5/19/87	19.2	3.4	0.25	2.54	3.71	99	73	457	301	17.0	10.1	15.0	11.8	2.32	2.03	89	29	39	1.20	0.21
5/20/87	27.1	11.8	29.72	1.99	3.79	95	65	472	310	18.6	13.1	16.9	13.5	5.95	5.55	101	21	32	1.84	0.28
5/21/87	14.5	2.1	10.16	3.81	1.60	98	94	476	312	16.9	10.5	16.7	13.0	5.62	2.97	318	56	87	1.04	0.05
5/22/87	10.1	1.9	0.00	0.76	2.99	97	82	477	312	12.3	8.5	13.0	10.8	3.62	2.62	360	43	33	0.88	0.11
5/23/87	15.5	6.4	0.00	3.56	5.31	94	79	484	315	15.7	8.9	13.7	10.6	3.02	2.78	145	23	16	1.11	0.16
5/24/87	19.1	9.9	1.78	3.81	4.27	94	69	494	320	16.0	10.6	14.4	11.6	4.29	4.09	123	17	5	1.33	0.29
5/25/87	12.9	8.1	17.02	1.02	0.87	96	87	500	321	13.1	11.5	13.8	12.2	5.39	5.26	104	13	87	1.17	0.08
5/26/87	23.1	5.4	2.03	3.05	4.17	96	80	510	328	18.4	11.9	15.8	12.2	3.28	2.74	133	33	43	1.54	0.19
5/27/87	25.3	13.4	0.00	5.08	5.64	93	76	525	337	20.0	14.4	17.3	14.5	5.87	5.56	158	19	3	1.99	0.33
5/28/87	25.4	14.0	0.00	5.59	6.11	93	74	540	347	21.6	15.4	18.8	15.4	5.66	5.41	165	17	8	1.99	0.35
5/29/87	25.4	14.1	1.27	3.05	3.88	93	71	555	356	21.8	15.8	18.9	16.0	2.90	2.04	172	44	36	1.89	0.30
5/30/87	25.9	13.6	0.00	5.08	6.12	93	58	570	366	24.0	15.5	20.3	16.0	2.05	1.64	238	36	18	1.82	0.54
5/31/87	28.6	11.5	0.00	8.89	8.09	93	40	586	376	25.5	15.6	21.9	16.7	3.06	2.69	159	28	31	1.67	1.02
MONTHLY	MEAN 23.2	MEAN 9.2	TOTAL 74.17	TOTAL 189.62	MEAN 5.37	MN. 84	MN. 49	TOTL 365	TOT 221	MEAN 18.5	MEAN 12.0	MEAN 16.4	MEAN 13.0	MEAN 4.66	MEAN 3.80	MN. 173	MN. 32	MN 17	MEAN 1.19	MEAN 0.81

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DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 4.44	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
6/ 1/87	24.5	13.5	0.00	6.35	5.47	90	46	601	385	22.7	17.4	20.6	18.4	5.33	2.17	244	62	0	1.72	0.65
6/ 2/87	21.6	8.2	0.25	7.11	6.95	91	37	611	391	20.5	13.8	19.2	16.0	4.34	3.88	251	26	8	1.07	0.80
6/ 3/87	18.3	9.2	0.00	7.37	8.05	77	33	620	395	21.0	13.5	19.2	15.5	4.84	4.24	306	29	0	0.89	0.71
6/ 4/87	26.3	8.7	0.00	8.38	8.26	84	34	633	403	23.7	12.4	20.5	14.8	4.06	2.64	255	48	0	1.19	1.12
6/ 5/87	29.8	12.6	0.00	8.13	8.14	80	38	650	414	24.8	14.9	21.4	16.5	4.56	4.29	99	20	0	1.40	1.27
6/ 6/87	33.1	15.9	0.00	7.62	7.19	81	43	670	427	26.8	16.9	22.7	17.8	3.28	2.37	183	43	0	1.91	1.30
6/ 7/87	30.0	16.5	0.25	7.11	3.57	84	41	689	441	23.3	18.7	21.9	19.6	2.65	1.70	317	48	11	1.90	0.88
6/ 8/87	19.9	9.1	0.00	6.10	7.10	93	67	699	446	22.7	15.8	20.8	17.4	3.92	3.52	335	26	15	1.42	0.38
6/ 9/87	23.7	5.5	3.81	8.89	8.40	95	28	709	452	23.9	13.5	20.9	16.1	3.52	3.05	96	30	29	0.96	0.96
6/10/87	18.9	11.8	10.41	2.54	2.56	93	46	720	458	18.5	15.4	19.7	16.4	7.50	7.09	130	19	55	1.46	0.25
6/11/87	28.6	13.8	0.00	7.87	8.17	92	42	737	469	25.1	15.4	21.5	16.0	3.48	2.84	241	35	24	1.89	0.86
6/12/87	30.2	14.1	0.00	7.62	8.35	90	38	755	481	28.3	16.5	23.9	17.7	1.97	1.58	277	36	17	1.76	1.21
6/13/87	33.4	15.9	0.00	9.40	8.28	89	31	775	494	29.5	18.5	25.2	19.5	2.78	2.14	269	39	24	1.86	1.56
6/14/87	30.3	16.5	0.00	9.91	8.41	87	29	794	507	29.6	19.6	25.4	20.5	3.15	2.63	349	33	20	1.59	1.42
6/15/87	31.0	11.8	0.00	9.14	8.31	89	29	811	518	25.1	20.0	29.0	18.3	2.69	2.34	103	29	23	1.41	1.47
6/16/87	32.9	17.5	32.77	M	7.81	68	38	831	532	29.7	20.5	29.1	19.2	5.16	4.94	131	16	30	1.72	1.68
6/17/87	27.1	16.1	0.00	3.81	5.12	92	59	849	543	26.0	20.6	23.2	20.6	3.59	2.40	150	47	32	2.29	0.40
6/18/87	28.6	13.1	0.00	6.86	7.25	93	58	865	554	29.2	19.4	23.8	19.7	1.91	1.61	346	32	33	2.02	0.74
6/19/87	30.8	16.9	0.00	7.37	8.17	89	43	885	568	32.5	19.4	25.3	20.0	2.62	2.12	58	36	3	1.98	0.98
6/20/87	26.6	17.4	0.00	5.59	5.97	90	73	902	580	30.4	21.7	24.7	21.4	2.51	2.28	96	25	21	2.21	0.46
6/21/87	30.2	16.1	0.00	5.84	6.96	90	58	921	593	32.4	21.3	25.9	21.1	1.77	1.46	123	34	34	2.21	0.67
6/22/87	31.6	18.8	0.00	8.38	7.69	89	56	942	607	33.3	22.4	26.6	22.1	3.45	3.18	129	23	8	2.45	0.89
6/23/87	26.6	16.7	0.00	7.62	7.83	90	43	959	619	32.3	23.0	26.3	22.7	3.28	1.91	299	52	6	1.90	0.84
6/24/87	24.7	14.2	0.00	3.56	4.39	91	60	974	628	26.7	20.8	24.9	21.5	1.61	0.15	230	77	43	1.84	0.50
6/25/87	23.8	11.8	0.00	7.87	7.66	91	42	987	636	28.5	18.7	23.5	19.8	3.62	3.38	308	21	31	1.33	0.73
6/26/87	22.0	8.4	0.00	6.10	8.03	90	36	998	642	27.0	17.0	22.3	18.7	4.06	3.53	313	29	17	1.05	0.78
6/27/87	28.0	7.1	0.00	6.10	6.89	90	30	1011	651	28.5	16.3	22.6	18.0	2.11	0.46	272	72	30	1.26	0.98
6/28/87	29.2	11.8	0.00	5.33	6.20	91	55	1027	662	29.7	18.4	23.3	19.1	1.96	1.07	52	55	28	1.79	0.72
6/29/87	23.8	12.9	0.00	7.37	7.41	90	38	1041	670	29.1	19.8	23.6	19.9	3.33	3.03	336	25	6	1.35	0.77
6/30/87	27.0	8.7	0.00	5.84	6.90	91	36	1054	678	29.2	17.4	23.5	18.9	1.53	0.32	134	72	25	1.27	0.94
MONTHLY	MEAN 27.1	MEAN 13.0	TOTAL 47.49	TOTAL M	MEAN 7.05	MN. 88	MN. 44	TOTL 468	TOT 302	MEAN 27.0	MEAN 18.0	MEAN 23.4	MEAN 18.8	MEAN 3.35	MEAN 2.61	MN. 214	MN. 38	MN 19	MEAN 1.64	MEAN 0.90
7/ 1/87	25.9	12.2	2.79	4.32	4.20	91	50	1069	687	25.1	18.2	22.3	19.2	3.36	2.57	166	39	32	1.63	0.58
7/ 2/87	25.0	12.2	0.00	7.37	7.12	91	59	1083	696	26.8	16.9	21.9	17.9	3.73	3.24	310	30	29	1.64	0.53
7/ 3/87	26.7	10.3	0.00	6.35	8.20	91	38	1097	705	30.7	17.1	23.9	18.2	2.06	1.36	15	47	46	1.43	0.87
7/ 4/87	26.8	12.0	3.81	6.86	6.66	90	55	1112	714	28.6	18.7	23.2	19.6	3.40	2.65	129	38	42	1.75	0.66
7/ 5/87	25.8	16.3	0.00	2.54	4.06	89	74	1129	725	25.6	20.0	22.2	19.9	1.82	0.67	258	64	51	1.99	0.39
7/ 6/87	30.8	13.8	3.05	6.86	7.50	90	52	1147	737	32.4	18.7	25.2	19.2	1.21	0.81	130	47	35	2.06	0.83
7/ 7/87	30.2	14.6	0.00	7.37	7.03	88	41	1165	749	31.2	21.4	25.3	21.4	2.64	1.26	288	59	30	1.97	0.98
7/ 8/87	29.8	12.1	0.00	5.59	5.78	90	37	1181	760	30.6	19.5	24.6	20.6	2.00	1.59	56	37	35	1.65	1.12
7/ 9/87	30.0	17.2	7.87	5.08	7.24	89	45	1200	774	32.4	21.2	26.0	21.3	2.96	2.23	130	40	47	2.03	0.93
7/10/87	31.2	16.9	2.54	9.65	6.83	88	54	1220	787	30.7	21.2	25.2	21.6	2.49	1.34	191	55	26	2.28	0.74
7/11/87	25.3	16.0	3.56	5.33	4.01	89	79	1236	798	25.6	21.7	24.6	22.1	2.96	1.91	312	48	50	2.10	0.37
7/12/87	17.7	10.8	0.00	2.54	2.91	90	77	1246	802	21.7	16.8	22.1	18.6	4.14	3.74	313	25	36	1.42	0.25
7/13/87	23.8	7.7	0.76	5.59	7.28	90	48	1257	809	26.9	14.1	21.7	16.3	2.38	1.61	326	46	44	1.32	0.64
7/14/87	25.7	11.2	0.00	3.56	5.44	89	43	1271	817	26.6	17.3	21.9	18.3	1.37	1.06	96	39	45	1.47	0.63
7/15/87	27.5	12.1	0.00	8.89	7.25	89	49	1287	827	29.8	17.9	23.7	18.7	3.35	3.12	155	21	27	1.68	0.82
7/16/87	32.9	16.2	0.00	8.89	7.26	89	40	1307	840	30.7	19.9	24.8	20.2	5.57	5.27	163	19	0	2.10	1.21
7/17/87	32.0	21.9	0.00	3.30	5.44	87	61	1329	856	31.1	22.9	25.5	22.1	4.13	3.80	160	23	0	2.65	0.84
7/18/87	26.1	20.9	0.76	3.30	1.90	88	80	1348	870	25.9	22.7	24.8	22.2	5.12	4.79	143	21	28	2.41	0.43
7/19/87	30.8	18.9	0.00	10.16	7.07	87	58	1369	884	32.4	20.9	25.8	20.7	3.32	1.62	289	58	15	2.27	0.77
7/20/87	29.6	17.9	14.99	5.59	4.33	89	72	1388	898	27.2	22.2	25.1	22.1	3.46	1.98	86	53	34	2.40	0.50
7/21/87	31.5	16.5	0.00	7.37	7.20	88	66	1408	911	29.2	20.4	24.4	20.9	4.14	3.71	144	26	28	2.47	0.71
7/22/87	32.7	21.2	0.00	8.89	7.18	87	59	1430	927	31.8	22.1	26.1	21.9	5.27	5.02	167	17	0	2.66	0.96
7/23/87	32.0	19.5	0.00	5.33	4.61	87	61	1451	942	30.8	23.2	25.9	22.8	3.09	0.91	60	68	6	2.51	0.72
7/24/87	28.3	16.5	0.00	7.37	6.75	88	51	1469	954	31.7	22.1	26.3	22.5	2.51	1.90	351	40	26	1.96	0.82
7/25/87	31.3	16.2	3.56	6.10	5.58	88	68	1489	967	31.1	22.0	25.7	22.3	2.93	2.23	98	39	57	2.42	0.59
7/26/87	29.7	20.4	0.00	6.86	5.82	87	66	1509	982	30.4	22.3	25.4	22.3	4.50	4.24	91	19	2	2.46	0.69
7/27/87	33.6	19.8	0.00	7.11	6.32	87	64	1531	997	32.8	23.0	27.2	22.8	3.67	3.38	115	23	4	2.79	0.85
7/28/87	34.3	18.3	2.03	6.60	6.40	87	63	1553	1011	34.1	23.7	27.9	23.7	2.82	2.49	109	28	32	2.70	0.77
7/29/87	33.5	19.7	0.00	6.35	6.39	86	66	1575	1026	34.1	24.2	28.2	24.2	2.65	2.27	76	31	17	2.78	0.82
7/30/87	33.7	21.3	0.00	9.14	6.83	87	64	1598	1042	34.6	25.2	28.8	24.9	3.65	3.41	110	21	0	2.90	0.90
7/31/87	37.0	24.1	0.00	10.16	6.93	86	49	1625	1059	35.2	26.3	29.3	25.6	4.30	3.97	137	22	0	2.96	1.31
MONTHLY	MEAN 29.4	MEAN 16.3	TOTAL 45.72	TOTAL 200.42	MEAN 6.05	MN. 88	MN. 58	TOTL 570	TOT 380	MEAN 29.9	MEAN 20.8	MEAN 25.0	MEAN 21.1	MEAN 3.26	MEAN 2.59	MN. 167	MN. 37	MN 27	MEAN 2.16	MEAN 0.75

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DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE	ACCM D.D. BASE	MAX SOIL TEMP	MIN SOIL TEMP	MAX SOIL TEMP	MIN SOIL TEMP	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
								4.44	1030	10CM	10CM	20CM	20CM							
8/ 1/87	30.1	21.5	0.00	2.79	3.37	86	66	1646	1075	29.2	25.9	28.3	25.4	2.30	0.93	290	63	22	2.61	0.72
8/ 2/87	34.0	17.5	1.78	6.86	6.08	86	53	1667	1088	33.6	23.1	28.1	23.6	1.85	0.62	123	66	38	2.50	1.07
8/ 3/87	27.9	15.8	0.00	4.06	5.23	88	38	1685	1100	29.7	23.4	27.2	23.9	3.43	2.63	324	39	30	1.78	0.94
8/ 4/87	23.5	12.0	0.00	4.83	6.10	88	55	1698	1108	29.0	19.7	24.7	21.4	2.36	1.89	326	36	24	1.47	0.57
8/ 5/87	28.2	11.9	0.00	7.37	5.72	88	48	1714	1118	27.6	19.2	23.7	20.7	5.01	4.83	146	15	28	1.75	0.75
8/ 6/87	26.5	13.7	0.00	6.10	5.39	87	51	1729	1128	27.6	20.2	23.7	20.8	3.17	2.39	311	40	23	1.69	0.74
8/ 7/87	27.1	10.2	0.00	4.83	5.57	88	45	1743	1137	28.6	18.4	24.0	19.9	1.69	1.29	119	39	31	1.58	0.89
8/ 8/87	22.1	13.9	5.33	2.03	1.10	87	78	1757	1145	23.7	18.6	23.3	19.9	1.57	0.51	57	66	55	1.77	0.36
8/ 9/87	29.0	11.5	0.00	6.10	6.93	87	42	1773	1155	27.9	16.2	22.9	17.9	2.66	1.71	333	49	33	1.63	0.91
8/10/87	29.7	14.1	0.00	8.89	6.80	86	52	1790	1167	29.0	18.5	23.9	19.5	4.33	3.97	129	23	23	1.89	0.90
8/11/87	32.2	17.9	1.02	8.38	5.20	86	53	1811	1181	28.1	20.8	23.8	20.9	6.28	6.03	163	16	10	2.20	0.97
8/12/87	23.4	12.0	0.25	5.08	4.55	87	50	1824	1188	26.0	20.3	23.3	20.7	3.63	2.70	333	41	20	1.63	0.59
8/13/87	27.7	11.1	0.00	5.84	6.71	87	46	1839	1198	29.4	17.2	23.8	18.7	2.42	1.99	92	34	11	1.58	0.81
8/14/87	24.1	16.3	0.00	1.78	3.35	86	73	1855	1208	25.1	20.7	23.1	20.7	3.61	3.48	116	15	24	1.94	0.44
8/15/87	35.4	16.6	15.75	12.19	5.84	85	52	1876	1221	31.2	20.7	25.2	20.5	4.21	2.89	140	45	56	2.27	0.90
8/16/87	24.6	13.0	0.00	5.84	4.86	85	51	1891	1230	24.6	19.0	23.5	20.8	3.57	3.28	301	23	16	1.66	0.62
8/17/87	26.7	10.5	0.00	7.62	6.32	86	36	1905	1239	27.2	15.8	22.4	17.9	3.19	2.78	265	29	25	1.31	0.97
8/18/87	24.9	9.6	0.00	6.60	6.03	87	39	1918	1246	26.4	17.1	22.2	18.6	3.60	2.99	283	33	20	1.27	0.83
8/19/87	26.4	7.9	0.00	4.57	5.31	87	32	1930	1254	27.3	15.9	21.9	17.8	1.81	0.65	190	65	31	1.25	0.85
8/20/87	28.9	11.4	0.51	5.33	5.45	87	53	1946	1265	28.1	17.0	22.7	18.3	2.97	2.57	157	29	41	1.78	0.73
8/21/87	26.4	13.7	0.51	4.32	3.32	85	33	1962	1275	24.7	19.7	21.9	20.0	3.98	0.77	4	73	29	1.82	0.71
8/22/87	21.9	9.5	0.00	7.11	5.77	86	33	1973	1280	24.5	16.0	20.7	17.8	3.60	3.36	322	21	10	1.04	0.74
8/23/87	22.5	3.9	0.00	5.84	6.72	88	27	1982	1287	26.1	13.6	21.0	16.2	2.03	1.04	348	57	26	0.86	0.84
8/24/87	24.2	8.7	0.00	4.57	3.78	83	38	1994	1294	22.6	15.2	19.7	16.7	3.10	2.63	183	32	0	1.11	0.81
8/25/87	18.8	11.8	0.25	2.54	2.33	85	63	2005	1299	19.8	16.3	18.8	16.9	3.01	2.74	131	24	1	1.25	0.38
8/26/87	20.1	11.9	0.00	1.52	1.94	87	66	2016	1305	19.8	15.4	17.5	16.0	2.26	1.93	19	31	42	1.38	0.33
8/27/87	18.9	10.7	11.68	1.78	1.55	86	73	2026	1310	18.7	15.1	17.0	15.9	1.73	0.68	10	63	60	1.34	0.27
8/28/87	24.8	7.9	0.00	5.59	6.05	86	43	2038	1317	22.8	12.2	18.6	14.1	2.06	1.36	234	47	34	1.26	0.67
8/29/87	29.6	10.5	0.00	6.86	5.54	85	41	2054	1327	24.8	14.1	19.8	15.3	4.28	1.96	188	60	27	1.59	0.84
8/30/87	21.9	8.7	0.00	5.33	4.78	84	42	2065	1333	22.3	15.6	19.2	16.6	4.50	4.06	312	25	0	1.13	0.63
8/31/87	22.9	2.5	0.00	5.33	6.01	85	18	2073	1340	23.0	11.6	18.6	14.3	2.81	1.75	296	50	10	0.79	0.89
MONTHLY	MEAN 25.9	MEAN 11.9	TOTAL 37.08	TOTAL 167.88	MEAN 4.96	MN. 86	MN. 48	TOTL 448	TOT 281	MEAN 26.1	MEAN 17.8	MEAN 22.4	MEAN 19.0	MEAN 3.13	MEAN 2.34	MN. 201	MN. 40	MN 26	MEAN 1.59	MEAN 0.73
9/ 1/87	23.0	9.3	0.00	7.37	5.80	83	48	2085	1346	23.5	14.5	19.2	15.5	4.23	3.19	322	40	0	1.22	0.73
9/ 2/87	24.2	5.6	0.00	6.35	5.79	87	40	2095	1353	24.7	13.5	19.7	15.3	2.71	1.87	148	45	29	1.11	0.82
9/ 3/87	29.5	13.0	0.00	8.38	5.03	83	39	2112	1365	23.8	15.5	19.7	16.3	6.61	6.43	151	13	0	1.48	1.05
9/ 4/87	24.0	15.7	14.48	1.78	2.15	85	71	2127	1374	21.9	17.2	19.2	17.4	3.24	0.80	102	70	23	1.75	0.50
9/ 5/87	19.8	11.3	0.76	0.25	1.72	85	76	2138	1380	19.2	15.6	18.6	16.9	2.25	1.28	311	53	62	1.43	0.31
9/ 6/87	25.6	7.5	0.00	5.33	5.45	88	42	2151	1388	22.9	13.4	18.8	14.8	1.22	0.44	202	65	59	1.26	0.68
9/ 7/87	24.6	8.6	0.00	4.83	5.41	84	57	2163	1395	24.2	14.1	19.2	15.4	2.90	1.78	318	50	50	1.29	0.49
9/ 8/87	24.3	4.3	0.00	5.08	5.58	85	19	2173	1402	23.3	12.5	18.9	14.7	1.72	0.83	229	58	38	0.85	0.96
9/ 9/87	26.5	9.4	0.00	6.35	5.57	80	33	2186	1410	24.1	13.5	19.3	15.0	2.95	1.40	198	59	0	1.14	0.99
9/10/87	22.4	8.6	1.52	6.10	3.27	83	47	2197	1417	20.9	15.1	18.1	16.0	2.93	1.72	302	52	22	1.23	0.52
9/11/87	16.4	5.4	0.00	1.52	2.59	85	65	2204	1420	17.3	11.6	16.7	13.8	2.12	1.83	319	30	51	1.04	0.29
9/12/87	16.8	4.8	16.76	3.30	2.25	85	66	2210	1423	15.4	10.8	14.9	12.6	1.74	0.99	261	53	90	0.95	0.23
9/13/87	21.5	1.1	0.00	3.30	5.68	87	41	2217	1429	19.7	8.1	15.4	10.7	1.23	0.25	126	72	43	0.92	0.54
9/14/87	23.9	6.6	0.00	4.83	5.46	84	53	2228	1436	20.7	9.8	16.2	11.8	3.07	2.93	134	18	42	1.24	0.59
9/15/87	27.4	7.6	0.00	4.32	5.24	84	42	2241	1445	23.7	11.9	18.1	13.2	2.10	1.79	101	31	37	1.44	0.74
9/16/87	21.9	14.6	18.80	2.54	1.68	83	77	2255	1453	19.4	16.3	17.3	15.9	3.81	3.63	60	18	49	1.64	0.38
9/17/87	19.7	12.6	7.62	3.30	1.61	84	80	2266	1459	18.3	15.0	16.5	15.5	2.98	2.55	327	31	81	1.41	0.30
9/18/87	17.8	10.4	4.57	3.30	3.86	85	61	2276	1463	17.8	13.3	15.7	14.1	3.84	3.31	288	30	43	1.18	0.32
9/19/87	13.3	8.7	3.30	1.78	1.54	85	81	2282	1465	14.2	11.9	14.5	12.9	3.81	3.46	322	25	59	1.09	0.22
9/20/87	15.9	7.6	1.78	1.27	2.08	85	76	2290	1468	14.5	10.7	13.2	11.8	3.93	3.64	322	22	53	1.11	0.23
9/21/87	18.7	6.7	0.00	3.05	2.64	83	64	2298	1472	16.0	10.1	13.8	11.4	2.40	2.05	344	31	39	1.13	0.37
9/22/87	21.9	7.2	0.00	3.30	5.05	84	46	2308	1478	20.0	10.1	15.5	11.6	1.96	1.36	265	45	52	1.13	0.57
9/23/87	27.6	6.2	0.00	6.60	5.02	84	26	2321	1487	21.8	10.0	16.5	11.8	2.39	1.00	291	62	38	1.10	0.95
9/24/87	21.7	5.7	0.00	6.60	4.87	84	37	2330	1493	20.5	10.6	16.0	12.5	3.13	2.91	64	22	14	0.96	0.68
9/25/87	26.2	6.0	0.00	5.59	4.69	84	41	2342	1501	20.3	10.7	16.0	12.3	3.48	2.73	162	38	3	1.15	0.80
9/26/87	30.3	12.7	0.00	6.60	4.29	84	36	2359	1512	22.1	13.1	17.4	13.6	4.65	4.33	162	21	0	1.47	1.16
9/27/87	28.3	15.4	0.00	5.33	3.86	80	53	2376	1524	23.0	15.1	18.4	15.2	4.55	2.65	202	52	0	1.63	0.86
9/28/87	16.8	9.1	3.81	1.02	0.98	85	71	2385	1527	17.5	13.0	17.5	13.8	4.88	4.03	268	34	48	1.14	0.29
9/29/87	20.2	6.3	0.00	6.35	4.63	84	43	2393	1532	17.9	10.1	14.8	12.0	4.29	3.63	313	32	19	1.02	0.56
9/30/87	18.0	5.7	0.00	4.57	4.49	82	36	2401	1536	19.4	10.3	15.2	12.0	2.71	0.67	307	70	0	0.81	0.67
MONTHLY	MEAN 22.3	MEAN 8.5	TOTAL 73.40	TOTAL 130.29	MEAN 3.94	MN. 84	MN. 52	TOTL 328	TOT 197	MEAN 20.3	MEAN 12.6	MEAN 17.0	MEAN 13.9	MEAN 3.13	MEAN 2.32	MN. 231	MN. 41	MN 35	MEAN 1.21	MEAN 0.59

M O R R I S

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE	ACCM D.D. BASE	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
10/ 1/87	22.1	4.1	0.00	7.11	3.03	75	32	2409	1543	16.8	10.3	14.1	11.8	6.85	4.73	310	45	0	0.82	0.68
10/ 2/87	10.1	-2.0	0.00	2.54	4.42	74	33	2409	1543	14.6	7.3	12.7	9.8	4.24	3.72	331	28	0	0.45	0.39
10/ 3/87	20.0	-3.0	0.00	5.59	4.49	79	18	2414	1548	14.9	4.6	11.7	7.7	3.86	3.65	172	19	0	0.47	0.81
10/ 4/87	27.8	5.5	0.25	7.62	4.04	70	13	2426	1556	17.9	7.8	13.6	9.3	4.57	2.34	268	57	1	0.66	1.38
10/ 5/87	13.8	4.9	0.76	2.03	0.77	86	41	2431	1558	13.4	8.1	13.1	10.0	7.83	7.23	307	22	35	0.85	0.31
10/ 6/87	9.6	0.1	0.00	3.30	3.59	87	60	2431	1558	12.1	5.6	10.1	8.0	5.58	5.24	324	20	0	0.64	0.22
10/ 7/87	12.3	-4.0	0.00	1.52	4.35	87	38	2431	1560	13.4	3.1	9.9	6.2	2.56	1.55	310	51	0	0.50	0.35
10/ 8/87	17.1	2.2	0.00	5.08	2.73	64	39	2436	1563	12.3	5.1	9.6	6.9	6.04	1.99	214	66	0	0.55	0.59
10/ 9/87	4.7	-0.5	0.00	2.54	1.72	64	50	2436	1563	7.5	4.3	8.9	6.4	6.17	5.74	322	21	0	0.39	0.30
10/10/87	6.7	-4.8	0.00	M	3.34	63	37	2436	1563	10.2	3.2	7.6	5.2	2.66	1.67	304	49	0	0.34	0.33
10/11/87	14.3	-5.7	0.00	4.06	3.75	73	29	2436	1565	10.0	1.4	7.2	4.0	3.82	3.40	223	27	0	0.42	0.47
10/12/87	17.9	-2.9	0.00	3.05	4.01	77	21	2439	1569	13.7	2.3	9.1	4.6	1.68	0.21	192	76	0	0.45	0.68
10/13/87	22.5	4.3	0.00	4.32	2.32	55	17	2448	1575	12.2	5.1	9.3	6.4	4.41	1.95	193	61	0	0.47	0.93
10/14/87	13.3	1.9	2.79	1.27	1.52	83	36	2451	1577	10.0	5.1	8.7	6.5	1.69	1.30	320	39	6	0.48	0.55
10/15/87	6.4	4.9	0.76	M	0.30	85	82	2453	1577	8.0	7.0	7.9	7.2	2.27	1.93	89	31	99	0.77	0.16
10/16/87	6.3	3.8	4.06	M	0.50	84	79	2453	1577	8.1	6.6	7.7	7.2	4.11	3.70	298	26	88	0.71	0.16
10/17/87	13.9	-0.6	0.00	M	3.72	83	60	2455	1579	11.4	3.5	8.4	5.6	3.24	1.74	228	55	25	0.74	0.26
10/18/87	10.6	1.0	0.00	M	3.45	79	43	2457	1579	10.3	3.6	7.8	5.7	3.90	3.53	290	25	0	0.57	0.33
10/19/87	10.7	-2.9	0.00	M	2.93	85	29	2457	1580	9.4	2.0	6.9	4.4	2.71	2.20	275	35	19	0.49	0.30
10/20/87	2.9	-2.9	1.27	M	1.58	84	74	2457	1580	5.2	1.9	6.1	4.1	4.34	3.72	312	30	7	0.50	0.12
10/21/87	3.1	-6.5	0.00	M	2.40	85	59	2457	1580	3.8	0.4	4.1	2.5	3.64	2.35	138	48	5	0.43	0.17
10/22/87	4.6	-3.0	0.00	M	1.23	84	71	2457	1580	4.1	1.0	3.7	2.6	2.43	1.06	26	61	3	0.53	0.15
10/23/87	7.1	-1.1	0.76	M	1.39	85	58	2457	1580	5.5	2.2	4.4	3.1	2.76	1.79	244	48	33	0.54	0.19
10/24/87	6.4	-2.9	0.00	M	2.37	85	66	2457	1580	6.4	1.0	4.4	2.6	2.94	0.73	293	70	17	0.51	0.13
10/25/87	7.5	-2.0	0.00	M	1.06	85	65	2457	1580	3.7	0.7	3.6	2.2	6.75	6.54	152	14	0	0.60	0.15
10/26/87	13.6	2.6	0.00	M	2.40	84	34	2460	1582	8.2	3.2	5.7	3.4	6.66	4.03	277	51	0	0.63	0.39
10/27/87	6.8	-3.9	0.00	M	1.89	83	53	2460	1582	5.8	1.7	4.7	3.1	4.08	3.41	310	33	0	0.50	0.22
10/28/87	11.4	-4.2	0.00	M	2.07	84	42	2460	1582	6.0	0.7	4.0	2.1	3.41	3.19	121	21	0	0.48	0.29
10/29/87	16.5	-0.9	0.00	M	3.00	79	37	2464	1585	9.4	1.2	5.8	2.6	3.23	2.75	141	31	0	0.60	0.44
10/30/87	13.6	-0.1	0.00	M	3.03	82	41	2466	1587	11.0	2.4	6.9	3.7	2.49	1.36	7	55	0	0.58	0.41
10/31/87	14.4	1.9	0.00	M	2.40	79	56	2470	1589	9.6	3.7	6.7	4.4	4.83	4.67	107	15	0	0.75	0.35
MONTHLY	MEAN 11.9	MEAN -0.5	TOTAL 10.65	TOTAL M	MEAN 2.57	MN. 79	MN. 46	TOTL 69	TOT 53	MEAN 9.8	MEAN 3.8	MEAN 7.9	MEAN 5.5	MEAN 4.06	MEAN 3.01	MN. 229	MN. 40	MN 11	MEAN 0.56	MEAN 0.39

NEWBURG

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
4/ 1/87 *	3.9	-5.0	0.00		M	M	M	0	0	M	M	M	M	M	M	M	M	M	M	M	
4/ 2/87 *	3.9	-6.1	0.00		M	M	M	0	0	M	M	M	M	M	M	M	M	M	M	M	
4/ 3/87 *	3.3	-8.3	0.00		M	M	M	0	0	M	M	M	M	M	M	M	M	M	M	M	
4/ 4/87 *	6.1	-6.7	0.00		M	M	M	0	0	M	M	M	M	M	M	M	M	M	M	M	
4/ 5/87 *	11.1	-5.0	0.00		M	M	M	0	1	M	M	M	M	M	M	M	M	M	M	M	
4/ 6/87 *	16.7	1.1	0.00		M	M	M	0	4	M	M	M	M	M	M	M	M	M	M	M	
4/ 7/87 *	18.9	2.2	0.00		M	M	M	1	8	M	M	M	M	M	M	M	M	M	M	M	
4/ 8/87 *	21.1	4.4	0.00		M	M	M	3	14	M	M	M	M	M	M	M	M	M	M	M	
4/ 9/87 *	21.7	5.6	0.00		M	M	M	7	20	M	M	M	M	M	M	M	M	M	M	M	
4/10/87 *	23.9	5.6	0.00		M	M	M	12	27	M	M	M	M	M	M	M	M	M	M	M	
4/11/87	15.0	1.0	1.02		M	3.59	97	53	12	29	7.7	5.5	9.3	5.2	1.99	0.18	318	77	62	0.83	0.24
4/12/87	19.7	2.7	0.00		M	6.15	96	41	13	34	9.2	5.3	11.7	4.9	3.06	1.49	89	58	35	0.87	0.54
4/13/87	12.7	6.3	4.32		M	1.71	96	66	13	35	8.4	7.0	8.9	7.2	4.58	4.09	89	27	53	1.00	0.17
4/14/87	10.4	9.0	15.49		M	0.77	96	91	13	36	7.4	7.0	8.1	7.5	7.49	7.36	59	11	79	1.14	0.06
4/15/87	14.7	8.1	0.25		M	2.07	99	82	14	38	8.7	7.0	10.5	7.4	2.83	2.11	42	41	71	1.29	0.08
4/16/87	21.3	8.3	0.25		M	5.72	100	48	19	44	10.8	6.6	13.6	6.5	2.16	1.71	256	37	47	1.26	0.42
4/17/87	25.1	4.2	0.00		M	6.33	85	27	24	51	12.1	7.5	15.0	7.2	2.06	1.60	222	38	0	0.86	1.17
4/18/87	26.5	12.6	0.00		M	6.64	69	36	33	61	13.5	9.5	16.4	9.7	3.24	2.75	194	31	0	1.13	1.25
4/19/87	26.4	12.2	0.00		M	6.25	87	45	43	70	13.8	10.9	16.2	11.3	6.24	6.02	15	15	0	1.45	0.98
4/20/87	29.6	10.8	0.00		M	5.76	83	46	53	80	15.6	12.3	18.5	13.1	5.50	2.51	214	60	0	1.58	0.93
4/21/87	10.9	4.6	21.08		M	0.59	97	79	53	81	14.3	8.9	14.6	8.2	5.66	4.97	44	28	88	0.90	0.07
4/22/87	6.8	4.3	10.41		M	1.13	99	95	53	81	8.9	7.8	8.3	7.2	3.95	3.74	53	19	99	0.88	0.03
4/23/87	18.9	5.6	2.03		M	6.43	99	46	55	85	11.3	7.3	13.6	7.1	3.28	2.85	7	29	38	0.98	0.45
4/24/87	16.8	6.3	0.00		M	6.36	85	46	57	88	11.8	8.6	14.0	8.3	3.81	3.45	130	25	0	0.82	0.58
4/25/87	21.6	7.5	0.00		M	6.84	75	48	61	94	12.6	8.7	15.2	8.4	4.54	3.87	158	31	2	0.92	0.68
4/26/87	23.9	6.4	0.00		M	6.73	90	38	66	101	14.0	9.6	16.7	9.3	2.64	2.31	142	29	3	1.07	0.83
4/27/87	18.0	6.0	0.00		M	7.16	84	22	68	105	13.1	10.9	14.2	10.4	4.82	4.32	334	26	0	0.67	0.88
4/28/87	22.0	0.3	0.00		M	7.04	83	24	69	111	12.7	8.5	14.8	7.3	3.50	3.03	233	30	0	0.67	0.96
4/29/87	22.1	8.9	0.00		M	7.20	71	19	75	117	14.1	10.6	16.5	10.6	4.06	2.59	343	49	0	0.76	1.15
4/30/87	18.0	2.3	0.00		M	6.83	69	33	75	121	13.9	9.6	16.5	8.7	2.54	1.59	121	50	0	0.61	0.73
MONTHLY	MEAN 17.0	MEAN 3.8	TOTAL 54.86	TOTAL M	MEAN M	MN. M	MN. M	TOTL 75	TOT 121	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MN. M	MN. M	MN M	MEAN M	MEAN M	
5/ 1/87	17.6	8.1	16.51	M	2.96	97	45	78	125	12.8	10.6	13.3	10.3	4.68	3.56	120	40	20	0.87	0.57	
5/ 2/87	18.0	10.2	0.25	M	1.37	99	91	82	129	11.5	10.9	12.3	11.2	5.53	5.36	91	14	64	1.51	0.08	
5/ 3/87	16.8	3.9	0.25	M	5.83	91	46	82	133	11.9	9.8	13.5	9.7	6.45	6.31	85	12	1	0.84	0.51	
5/ 4/87	17.9	1.1	0.00	M	7.34	91	32	82	136	12.3	8.1	14.6	7.0	3.55	3.19	98	26	0	0.68	0.64	
5/ 5/87	19.7	0.6	0.00	M	6.32	97	34	82	141	13.1	8.5	15.6	7.5	1.73	1.16	185	46	21	0.77	0.65	
5/ 6/87	23.7	7.3	0.00	M	7.01	80	39	88	148	14.6	10.6	17.4	9.7	3.02	2.17	319	43	6	0.98	0.91	
5/ 7/87	24.4	5.6	0.00	M	7.69	90	31	93	155	** 5CM **	M	M	1.96	1.15	333	52	19	0.84	0.90		
5/ 8/87	26.1	4.6	0.00	M	7.17	89	15	98	163	21.2	9.3	18.6	10.4	2.99	2.31	246	39	27	0.80	1.35	
5/ 9/87	30.2	14.3	0.00	M	6.89	52	24	111	176	21.4	12.6	19.3	13.1	6.23	5.99	231	16	0	1.10	1.73	
5/10/87	28.3	15.2	0.00	M	5.68	89	40	122	187	21.4	14.2	19.4	14.7	4.67	3.60	208	39	1	1.49	1.23	
5/11/87	23.3	9.8	5.59	M	7.08	95	36	129	194	23.2	14.1	20.8	15.4	4.33	1.69	329	63	27	1.47	0.69	
5/12/87	20.4	4.1	0.00	M	7.07	95	33	131	199	22.3	10.5	19.7	11.9	3.12	2.63	133	32	13	0.84	0.79	
5/13/87	25.5	7.1	1.02	M	6.39	85	39	137	207	21.0	11.1	18.9	12.2	5.23	4.73	174	25	3	1.10	1.11	
5/14/87	20.9	8.4	1.27	M	7.05	92	47	142	212	23.4	14.3	20.9	15.6	3.66	2.74	325	40	40	1.45	0.59	
5/15/87	22.2	4.7	0.00	M	6.75	97	38	145	218	22.6	11.0	20.0	12.4	2.91	2.46	172	32	32	1.01	0.82	
5/16/87	27.3	12.6	0.00	M	7.47	64	29	155	228	23.9	13.0	21.3	13.9	4.18	3.84	200	23	0	1.00	1.42	
5/17/87	30.3	14.8	0.00	M	6.78	79	36	168	241	26.2	14.3	23.3	15.1	4.23	4.00	218	19	0	1.47	1.49	
5/18/87	24.5	12.5	6.60	M	3.88	95	79	176	249	23.6	15.6	21.3	16.5	4.66	3.43	97	42	45	1.81	0.23	
5/19/87	20.8	12.4	0.00	M	2.95	96	84	183	256	20.1	14.2	18.9	14.8	2.87	2.67	88	21	61	1.76	0.17	
5/20/87	25.8	16.8	2.54	M	5.54	93	76	194	267	26.6	15.9	23.7	16.2	3.58	3.19	128	27	41	2.18	0.33	
5/21/87	27.4	10.7	0.00	M	5.52	92	65	203	276	25.5	17.2	23.2	17.7	5.67	4.25	226	41	7	1.97	0.45	
5/22/87	11.1	5.2	0.00	M	2.39	95	86	203	277	17.6	12.8	18.6	13.9	4.36	3.66	300	33	0	0.96	0.11	
5/23/87	15.9	3.5	0.00	M	6.45	93	66	203	280	23.8	11.1	21.0	12.2	2.59	1.71	12	47	9	0.96	0.25	
5/24/87	15.9	7.2	0.00	M	4.11	95	74	205	283	19.7	12.7	18.5	13.7	3.15	2.84	118	25	30	1.17	0.21	
5/25/87	17.2	8.8	18.54	M	1.30	97	88	208	286	15.2	13.3	15.9	14.1	4.61	4.50	102	13	58	1.44	0.11	
5/26/87	24.5	15.9	11.68	M	4.95	98	77	218	297	22.4	13.8	20.4	14.2	3.95	2.13	269	55	45	2.11	0.30	
5/27/87	25.8	18.0	2.79	M	5.10	92	74	230	308	24.3	16.8	22.4	17.2	4.33	1.35	323	67	37	2.23	0.37	
5/28/87	24.2	18.3	2.03	M	4.45	92	81	241	320	22.3	17.4	21.2	17.9	3.79	3.05	195	36	30	2.15	0.33	
5/29/87	25.6	17.5	2.54	M	4.71	92	73	253	331	23.2	16.9	23.9	17.5	3.89	3.18	196	35	39	2.17	0.38	
5/30/87	26.0	16.5	0.00	M	6.92	92	71	264	343	25.5	16.4	23.5	17.2	3.41	3.01	211	28	40	2.11	0.42	
5/31/87	25.5	16.4	0.51	M	6.02	92	62	275	353	25.7	17.2	23.6	17.9	2.46	1.77	233	43	56	1.93	0.58	
MONTHLY	MEAN 22.7	MEAN 10.1	TOTAL 72.14	TOTAL M	MEAN 5.52	MN. 90	MN. 55	TOTL 200	TOT 232	MEAN M	MEAN M	MEAN 22.1	MEAN 16.5	MEAN 3.93	MEAN 3.15	MN. 192	MN. 35	MN 25	MEAN 1.39	MEAN 0.64	

NEW BURG

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 5CM	MIN SOIL TEMP 5CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
6/ 1/87	28.9	15.9	9.14		M	6.65	92	57	288	366	27.9	17.2	25.2	17.9	4.55	3.60	198	7	42	1.38	0.59
6/ 2/87	23.7	12.2	0.76		M	6.33	93	45	295	374	25.4	16.7	23.7	17.9	2.46	2.15	276	29	42	1.40	0.73
6/ 3/87	19.8	7.9	0.00		M	7.09	83	48	299	379	22.3	13.5	21.1	15.1	3.93	3.39	298	30	11	1.10	0.61
6/ 4/87	24.6	3.8	0.00		M	7.77	95	38	303	386	25.9	11.1	23.1	13.1	2.83	2.51	250	27	30	1.09	0.91
6/ 5/87	29.0	12.8	0.00		M	6.86	88	41	314	397	29.3	14.9	25.7	16.1	3.41	3.08	237	25	0	1.57	1.23
6/ 6/87	29.0	16.7	0.00		M	6.61	77	39	327	410	29.5	17.4	26.6	18.3	4.45	4.27	202	16	0	1.64	1.28
6/ 7/87	32.2	19.2	0.51		M	5.83	89	35	343	424	29.8	18.6	27.2	19.3	5.06	4.64	237	24	13	1.83	1.51
6/ 8/87	27.1	14.8	0.51		M	7.27	92	50	354	435	32.2	19.9	28.9	20.7	2.86	2.06	M	43	37	1.90	0.73
6/ 9/87	22.1	9.0	0.00		M	7.57	90	41	359	441	30.9	16.8	27.9	18.3	3.15	2.72	71	30	12	1.12	0.71
6/10/87	18.7	11.7	3.56		M	2.44	90	41	365	447	20.9	17.3	21.3	18.1	2.64	2.41	139	24	76	1.34	0.40
6/11/87	26.4	16.2	5.84		M	3.13	92	81	376	458	23.6	17.0	22.2	17.7	3.78	3.39	221	26	69	2.23	0.30
6/12/87	30.2	17.4	0.25		M	7.75	91	38	390	472	29.7	17.5	27.1	18.2	2.28	1.53	293	46	45	1.93	1.13
6/13/87	36.2	16.5	0.00		M	7.84	89	19	406	485	33.7	18.2	30.3	19.3	1.61	0.76	242	59	31	1.81	1.85
6/14/87	36.0	18.7	0.00		M	8.11	89	24	423	499	35.6	20.6	32.0	21.4	0.23	0.49	38	6	16	1.93	2.01
6/15/87	31.0	15.7	0.00		M	8.26	91	25	437	512	34.7	20.7	31.6	21.8	2.90	2.41	72	33	5	1.47	1.63
6/16/87	31.4	12.3	0.00		M	7.55	93	26	449	523	32.6	19.6	30.2	21.0	2.40	2.06	117	30	31	1.50	1.50
6/17/87	31.7	18.6	24.64		M	0.11	91	53	464	538	29.2	20.6	26.7	21.6	0.34	0.70	51	7	48	2.07	0.64
6/18/87	31.1	17.8	0.00		M	7.54	91	60	478	551	31.3	19.2	28.8	20.1	0.77	0.82	48	9	41	2.47	0.72
6/19/87	31.5	19.2	22.61		M	4.11	90	63	494	566	29.4	21.3	27.8	22.3	2.66	1.57	79	52	64	2.40	0.48
6/20/87	22.6	20.1	4.06		M	0.68	90	85	505	577	23.4	20.2	23.0	21.0	0.71	0.47	6	4	94	2.23	0.29
6/21/87	26.2	20.2	15.49		M	5.10	94	76	518	590	27.4	19.7	25.8	20.3	2.47	2.20	22	26	57	2.32	0.38
6/22/87	28.2	19.2	0.25		M	6.58	94	65	532	604	30.4	19.7	28.1	20.6	1.64	1.12	M	46	53	2.32	0.60
6/23/87	29.6	19.0	1.52		M	5.53	90	71	546	618	29.4	19.9	27.4	21.0	2.38	1.80	174	40	66	2.40	0.47
6/24/87	29.3	19.2	0.00		M	7.26	90	53	560	633	30.9	20.3	28.8	21.2	1.98	1.23	304	50	43	2.24	0.75
6/25/87	24.8	14.3	9.14		M	5.14	91	43	570	642	26.0	18.1	24.8	20.0	3.58	3.13	316	29	41	1.70	0.60
6/26/87	21.6	10.5	0.25		M	7.18	89	45	576	648	24.3	15.5	23.1	17.2	4.33	4.02	300	22	18	1.30	0.59
6/27/87	24.5	8.6	0.00		M	7.98	89	39	582	656	26.0	13.6	24.0	15.5	3.49	3.07	291	28	31	1.25	0.81
6/28/87	27.6	15.4	7.37		M	6.16	91	45	594	667	27.4	17.0	25.3	18.0	3.95	2.79	221	44	30	1.79	0.74
6/29/87	25.8	14.6	0.00		M	6.70	91	63	604	677	27.3	18.2	25.5	19.2	3.09	1.87	306	51	35	1.92	0.53
6/30/87	24.2	13.0	0.00		M	8.15	91	36	613	686	29.0	16.1	26.5	17.6	1.79	1.22	352	46	43	1.41	0.80

MONTHLY	MEAN 27.5	MEAN 15.0	TOTAL 105.92	TOTAL M	MEAN 6.18	MN. 90	MN. 48	TOTL 338	TOT 332	MEAN 28.5	MEAN 17.9	MEAN 26.3	MEAN 19.0	MEAN 2.72	MEAN 2.25	MN. M	MN. 30	MN 37	MEAN 1.77	MEAN 0.85
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7/ 1/87	25.2	10.8	0.00		M	7.45	91	55	621	694	28.9	15.9	26.4	17.5	2.55	2.31	163	25	32	1.60	0.64
7/ 2/87	29.0	15.1	0.00		M	6.05	88	48	633	706	29.1	17.8	26.7	19.0	3.87	2.81	238	42	8	1.84	0.78
7/ 3/87	24.5	13.4	0.00		M	7.19	91	60	642	715	29.9	17.2	27.3	18.5	2.25	1.62	328	43	42	1.71	0.52
7/ 4/87	26.5	13.3	0.00		M	6.84	91	58	652	725	30.1	17.5	27.6	18.8	2.56	2.27	115	27	37	1.84	0.60
7/ 5/87	27.1	17.2	0.00		M	5.50	89	76	664	737	29.9	19.6	27.6	20.4	3.32	3.08	144	22	7	2.22	0.41
7/ 6/87	26.2	18.9	2.54		M	3.37	89	69	676	750	26.7	20.7	25.1	21.5	2.25	1.49	136	47	69	2.29	0.36
7/ 7/87	29.6	18.6	0.00		M	4.92	91	58	691	764	29.3	19.6	27.2	20.4	1.85	0.65	253	65	47	2.30	0.58
7/ 8/87	29.3	19.1	8.38		M	5.45	90	70	705	778	29.2	19.8	27.4	20.8	2.84	1.02	179	65	52	2.43	0.55
7/ 9/87	27.8	20.1	0.00		M	5.71	88	76	719	792	28.1	20.8	26.7	21.4	4.46	3.99	227	26	24	2.44	0.48
7/10/87	29.6	23.1	0.00		M	6.76	88	70	735	808	31.4	22.2	29.4	22.6	3.83	3.35	213	29	9	2.66	0.63
7/11/87	30.2	19.7	18.54		M	6.00	89	72	750	823	32.4	22.6	30.1	23.2	4.51	3.18	205	44	20	2.65	0.58
7/12/87	25.0	15.9	9.91		M	4.88	89	76	760	833	28.1	20.2	26.6	21.7	3.84	2.86	292	41	45	2.07	0.38
7/13/87	20.9	11.1	0.00		M	5.97	91	61	766	839	25.7	17.4	24.6	19.4	3.23	2.86	331	27	25	1.53	0.40
7/14/87	23.3	9.5	29.46		M	5.53	90	64	773	846	26.0	14.8	24.3	16.6	2.03	1.11	208	54	67	1.50	0.38
7/15/87	25.6	12.4	0.25		M	7.65	94	55	782	855	29.2	15.6	26.8	16.9	1.59	0.95	120	51	38	1.64	0.56
7/16/87	25.3	13.0	0.00		M	7.50	89	74	791	864	26.7	16.6	25.2	17.9	4.62	4.42	160	17	12	1.93	0.45
7/17/87	29.9	20.9	0.00		M	7.31	87	68	806	880	30.1	19.7	27.9	20.3	4.42	3.19	193	18	0	2.59	0.65
7/18/87	28.4	21.7	0.00		M	4.87	86	78	821	895	27.1	21.1	25.9	21.7	4.66	4.44	174	17	0	2.60	0.64
7/19/87	31.0	19.9	25.91		M	6.15	88	79	837	910	30.4	20.8	28.6	21.4	3.74	3.33	215	27	51	2.84	0.55
7/20/87	31.6	23.1	0.00		M	6.99	87	76	854	926	30.9	23.7	29.3	24.0	4.14	3.77	214	24	35	3.11	0.68
7/21/87	31.4	21.7	0.00		M	6.58	87	59	871	942	32.3	22.9	30.5	23.6	2.26	1.55	168	45	51	2.60	0.75
7/22/87	29.4	20.8	0.00		M	6.70	87	67	886	957	30.3	21.9	28.9	22.9	3.30	3.11	211	20	33	2.58	0.68
7/23/87	30.1	22.2	0.00		M	7.01	86	70	902	973	31.4	21.9	29.6	22.8	4.52	4.16	216	23	0	2.67	0.69
7/24/87	28.5	20.0	47.75		M	4.57	89	79	916	987	29.3	21.1	27.9	22.1	3.08	0.17	257	79	51	2.44	0.47
7/25/87	31.6	20.3	0.00		M	6.66	90	66	932	1003	31.8	20.9	30.0	21.9	1.80	1.20	218	47	41	2.80	0.70
7/26/87	32.1	23.2	0.00		M	5.29	86	66	950	1019	31.8	23.8	30.3	24.3	2.13	1.16	75	55	30	2.82	0.63
7/27/87	29.1	18.9	0.00		M	4.09	87	73	964	1033	30.2	22.1	28.7	23.2	3.21	4.93	134	51	42	2.38	0.51
7/28/87	28.5	19.2	0.25		M	6.14	86	77	978	1047	29.4	20.7	28.2	21.6	3.41	2.47	141	43	21	2.47	0.52
7/29/87	23.0	22.6	4.83		M	6.13	86	69	990	1060	32.1	22.6	30.6	23.3	2.08	1.29	201	50	57	2.85	0.76
7/30/87	32.5	22.4	0.00		M	6.13	86	72	1008	1076	33.0	23.4	31.3	24.1	2.53	1.80	160	44	37	2.76	0.64
7/31/87	33.3	21.7	0.00		M	6.69	86	73	1025	1092	34.1	22.9	32.2	23.8	2.21	1.89	147	31	49	3.04	0.74

MONTHLY	MEAN 28.3	MEAN 18.4	TOTAL 147.83	TOTAL M	MEAN 6.07	MN. 88	MN. 68	TOTL 413	TOT 406	MEAN 29.8	MEAN 20.2	MEAN 28.0	MEAN 21.2	MEAN 3.13	MEAN 2.47	MN. 195	MN. 39	MN 33	MEAN 2.36	MEAN 0.58
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NEW BURG

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 5CM	MIN SOIL TEMP 5CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
8/ 1/87	33.2	23.7	0.51		M	6.37	85	70	1044	1109	34.1	24.1	31.8	24.9	2.96	2.46	216	33 41	3.03	0.81
8/ 2/87	31.2	20.1	0.00		M	6.92	86	69	1060	1124	35.1	23.9	33.1	24.8	2.09	1.61	339	39 55	2.76	0.75
8/ 3/87	28.0	18.7	16.76		M	3.08	87	79	1073	1137	26.8	21.7	26.9	23.2	2.48	0.72	248	68 79	2.29	0.44
8/ 4/87	24.0	15.1	0.00		M	6.48	87	67	1082	1147	28.9	18.5	27.3	20.0	2.47	2.14	331	29 53	1.80	0.46
8/ 5/87	25.6	14.8	0.00		M	5.23	87	63	1093	1157	27.7	18.2	26.3	19.7	1.57	0.65	166	62 45	1.84	0.54
8/ 6/87	28.0	16.9	3.30		M	4.45	87	67	1105	1169	27.0	18.7	25.8	19.9	3.07	2.35	208	39 61	2.09	0.50
8/ 7/87	25.1	16.4	2.54		M	3.69	86	69	1116	1180	25.4	18.2	24.6	19.4	1.25	0.31	105	70 75	1.97	0.48
8/ 8/87	21.7	17.9	12.19		M	1.07	87	83	1126	1190	22.1	19.7	22.1	20.5	2.89	2.51	90	30 68	2.06	0.38
8/ 9/87	26.9	17.0	2.03		M	6.76	87	66	1138	1202	29.3	19.2	27.6	20.0	3.08	2.38	330	39 50	2.08	0.59
8/10/87	27.8	15.9	0.00		M	6.33	86	63	1149	1214	28.8	18.2	27.5	19.4	1.91	1.14	95	52 54	2.01	0.62
8/11/87	26.9	17.0	0.25		M	5.28	85	76	1161	1226	26.9	18.7	25.9	19.9	3.46	3.18	158	23 34	2.14	0.49
8/12/87	25.3	17.9	0.51		M	2.53	86	80	1173	1237	23.9	19.0	23.4	20.0	2.34	1.90	173	35 33	2.19	0.43
8/13/87	23.4	19.8	7.37		M	1.27	91	82	1185	1249	22.3	20.4	22.3	21.1	2.58	2.02	83	38 99	2.24	0.38
8/14/87	27.0	22.0	6.35		M	1.77	91	78	1199	1263	25.1	20.3	24.3	20.8	2.67	1.90	119	43 93	2.58	0.43
8/15/87	29.7	22.9	2.29		M	6.12	82	71	1215	1280	30.2	21.7	28.5	22.1	3.79	3.43	191	25 33	2.70	0.72
8/16/87	26.6	17.4	33.27		M	3.25	85	76	1227	1292	26.0	20.3	25.5	21.7	3.35	1.02	268	68 39	2.24	0.53
8/17/87	24.3	15.3	0.00		M	6.39	86	62	1237	1301	27.6	17.4	26.2	18.9	2.95	2.50	279	32 45	1.72	0.54
8/18/87	24.3	13.6	0.25		M	5.98	85	55	1246	1310	27.2	18.0	25.8	19.2	2.94	2.30	270	38 50	1.61	0.58
8/19/87	23.6	11.9	0.25		M	5.52	86	53	1254	1318	25.4	15.4	24.4	17.0	2.05	1.42	277	45 46	1.48	0.60
8/20/87	26.2	11.8	0.00		M	5.52	86	66	1263	1327	26.1	15.4	24.9	17.0	2.58	2.11	163	34 52	1.85	0.57
8/21/87	27.6	18.6	1.02		M	4.53	84	77	1276	1340	26.3	19.2	25.1	20.0	4.15	2.64	192	49 39	2.31	0.54
8/22/87	21.3	9.9	0.00		M	4.40	87	59	1282	1346	23.7	16.0	23.2	18.1	3.32	2.93	336	28 42	1.40	0.47
8/23/87	19.2	7.7	0.00		M	6.56	87	54	1285	1350	25.4	12.8	24.1	14.7	2.42	1.90	333	38 52	1.11	0.44
8/24/87	21.1	7.3	0.00		M	5.62	86	47	1289	1356	25.3	12.3	23.2	14.2	1.45	1.16	223	37 46	1.17	0.49
8/25/87	14.7	12.6	2.03		M	1.34	86	80	1293	1360	17.9	15.2	18.7	16.2	2.65	2.25	118	31 94	1.29	0.24
8/26/87	16.3	13.2	2.54		M	1.00	84	82	1298	1364	17.5	14.8	17.6	15.7	3.11	2.75	58	28 84	1.44	0.29
8/27/87	21.0	15.3	0.00		M	3.03	87	69	1306	1373	22.6	14.3	21.1	15.3	1.76	1.07	35	51 44	1.58	0.38
8/28/87	20.7	12.4	14.73		M	3.24	85	73	1312	1379	22.6	15.5	21.7	16.6	1.52	0.71	322	59 94	1.50	0.33
8/29/87	23.7	12.1	0.00		M	5.90	88	66	1320	1387	24.2	12.8	22.7	14.3	3.50	3.20	201	24 35	1.71	0.51
8/30/87	20.5	10.4	0.51		M	5.30	85	66	1326	1392	24.2	15.3	23.1	17.3	4.49	3.38	283	40 24	1.52	0.49
8/31/87	18.9	7.2	0.00		M	6.29	85	48	1329	1397	23.9	11.8	22.4	13.7	2.81	2.23	298	37 38	1.07	0.46

MONTHLY	MEAN 24.3	MEAN 15.3	TOTAL 108.71	TOTAL M	MEAN 4.56	MN. 86	MN. 68	TOTL 303	TOT 305	MEAN 25.8	MEAN 17.6	MEAN 24.7	MEAN 18.9	MEAN 2.70	MEAN 2.01	MN. 210	MN. 41	MN 55	MEAN 1.90	MEAN 0.50
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9/ 1/87	25.8	8.5	0.00		M	5.51	M	M	1336	1405	24.2	11.7	22.4	13.4	3.40	2.56	273	40 17	M	M
9/ 2/87	22.5	8.2	0.00		M	6.01	M	M	1341	1411	25.9	12.4	24.1	14.1	1.73	0.75	52	61 35	M	M
9/ 3/87	21.8	9.6	0.00		M	5.96	M	M	1347	1417	24.4	12.4	22.6	14.1	3.73	3.50	164	20 0	M	M
9/ 4/87	26.7	12.5	0.00		M	5.29	M	M	1356	1427	25.9	13.6	23.8	14.9	4.09	3.88	166	18 0	M	M
9/ 5/87	28.6	17.6	5.33		M	4.47	M	M	1370	1440	26.5	16.8	24.6	17.6	3.28	2.76	184	32 8	M	M
9/ 6/87	24.9	16.9	1.78		M	3.62	M	M	1380	1451	26.4	17.9	24.8	18.7	1.59	0.61	294	64 68	M	M
9/ 7/87	26.3	14.8	4.06		M	4.46	M	M	1391	1461	27.7	16.9	25.3	18.0	2.12	1.12	75	56 53	M	M
9/ 8/87	21.1	10.5	0.51		M	3.70	M	M	1397	1467	25.2	15.1	23.4	17.3	2.44	1.90	322	38 67	M	M
9/ 9/87	23.5	7.3	0.00		M	4.50	M	M	1402	1474	23.9	12.0	22.0	13.8	1.70	1.30	228	39 51	M	M
9/10/87	21.9	12.2	0.25		M	4.52	M	M	1409	1481	23.1	13.5	21.7	14.8	3.12	2.76	183	28 24	M	M
9/11/87	19.3	9.9	0.00		M	2.50	M	M	1414	1485	21.4	14.5	20.5	15.7	1.74	0.88	309	57 53	M	M
9/12/87	18.8	10.3	0.00		M	3.58	M	M	1418	1490	21.9	13.1	20.6	14.4	2.22	1.78	286	36 56	M	M
9/13/87	19.9	8.5	9.40		M	4.90	M	M	1423	1495	23.7	12.7	22.1	14.0	1.91	1.07	301	54 61	M	M
9/14/87	19.4	7.2	0.00		M	2.91	M	M	1426	1500	18.7	10.3	17.9	12.2	2.15	1.64	146	40 55	M	M
9/15/87	23.2	12.9	1.52		M	2.97	M	M	1434	1508	21.9	12.9	20.6	14.0	1.81	1.33	115	42 55	M	M
9/16/87	24.2	16.2	5.33		M	2.52	M	M	1444	1518	23.9	17.6	22.5	18.0	2.84	2.45	114	30 76	M	M
9/17/87	21.9	14.7	0.76		M	1.81	M	M	1452	1526	22.8	16.9	21.4	17.9	3.18	2.71	330	31 66	M	M
9/18/87	18.7	8.9	3.05		M	2.08	M	M	1456	1530	19.9	13.3	19.3	15.1	3.01	2.51	304	33 50	M	M
9/19/87	15.6	7.4	6.60		M	2.13	M	M	1458	1533	18.6	10.4	17.2	12.2	2.29	2.01	258	29 87	M	M
9/20/87	16.8	9.9	5.33		M	2.33	M	M	1461	1537	19.2	12.2	18.3	13.1	2.77	2.34	316	32 84	M	M
9/21/87	18.9	10.1	6.35		M	2.17	M	M	1466	1541	18.9	16.9	17.5	12.6	3.08	2.73	346	27 83	M	M
9/22/87	19.1	8.3	0.00		M	2.66	M	M	1469	1546	19.3	11.7	18.5	12.9	2.11	1.67	318	37 57	M	M
9/23/87	23.3	8.4	0.00		M	5.15	M	M	1475	1552	22.7	9.8	20.7	11.3	2.78	2.51	260	25 49	M	M
9/24/87	20.1	6.7	0.00		M	4.80	M	M	1479	1557	22.9	10.5	21.0	12.1	2.19	1.55	41	44 50	M	M
9/25/87	20.9	4.4	0.00		M	4.89	M	M	1481	1563	21.1	8.5	19.3	10.5	2.29	1.94	205	32 33	M	M
9/26/87	26.5	11.0	0.00		M	4.73	M	M	1490	1572	22.8	10.8	20.9	12.2	2.90	2.51	186	30 0	M	M
9/27/87	27.0	16.0	0.00		M	4.45	M	M	1501	1583	22.8	14.3	21.2	15.1	4.66	4.32	201	22 6	M	M
9/28/87	19.9	10.8	0.00		M	1.89	M	M	1507	1588	18.0	12.6	17.8	14.1	3.03	2.82	237	21 25	M	M
9/29/87	19.5	9.5	0.00		M	2.12	M	M	1511	1593	18.8	11.1	17.8	12.9	3.55	3.13	308	28 12	M	M
9/30/87	16.2	4.5	0.00		M	4.45	M	M	1512	1596	20.0	9.3	18.7	10.9	2.88	2.24	333	38 29	M	M

MONTHLY	MEAN 21.7	MEAN 10.4	TOTAL 50.29	TOTAL M	MEAN 3.77	MN. M	MN. M	TOTL 183	TOT 199	MEAN 22.4	MEAN 13.1	MEAN 21.0	MEAN 14.3	MEAN 2.69	MEAN 2.18	MN. 229	MN. 36	MN 44	MEAN M	MEAN M
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NEW B U R G

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 5CM	MIN SOIL TEMP 5CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
10/ 1/87	23.6	5.2	0.00		M	3.82	M	M	1516	1603	18.3	8.3	16.9	10.0	5.95	4.05	259	46	1	M	M
10/ 2/87	8.4	-2.9	0.00		M	3.04	M	M	1516	1603	14.8	5.7	14.3	8.2	5.32	4.53	M	31	0	M	M
10/ 3/87	14.9	-4.4	0.00		M	4.65	M	M	1516	1605	16.5	3.1	15.0	M	2.60	2.22	224	31	5	M	M
10/ 4/87	21.7	5.9	0.00		M	4.38	M	M	1520	1611	18.6	5.8	16.8	7.4	4.63	4.41	221	18	0	M	M
10/ 5/87	14.6	8.1	0.00		M	M	M	M	1521	1614	12.5	9.5	13.0	10.6	5.82	5.45	292	20	0	M	M
10/ 6/87	8.3	3.2	0.00		M	1.37	M	M	1521	1614	10.6	6.8	10.9	8.2	4.40	4.12	321	20	9	M	M
10/ 7/87	9.5	-3.2	0.00		M	4.28	M	M	1521	1614	16.0	3.8	14.5	5.7	3.16	2.60	345	34	0	M	M
10/ 8/87	13.3	-3.6	0.00		M	2.87	M	M	1521	1615	11.9	2.8	10.9	4.7	4.04	3.60	184	27	6	M	M
10/ 9/87 *	12.8	-1.7	0.00		M	M	M	M	1521	1617	M	M	M	M	M	M	M	M	M	M	M
10/10/87 *	8.9	1.1	0.00		M	M	M	M	1521	1617	M	M	M	M	M	M	M	M	M	M	M
10/11/87	10.7	-8.2	0.00		M	4.14	M	M	1521	1617	12.2	0.9	10.7	2.6	2.47	2.26	254	24	3	M	M
10/12/87	6.9	-0.5	0.00		M	4.13	M	M	1521	1617	M	1.7	M	3.2	2.23	1.66	271	41	0	M	M
10/13/87	20.9	-0.3	0.00		M	3.71	M	M	1521	1623	15.5	3.0	13.9	4.6	4.13	3.65	201	28	6	M	M
10/14/87	13.1	9.8	0.25		M	0.82	M	M	1523	1624	11.8	9.1	11.7	9.8	2.12	1.08	195	57	22	M	M
10/15/87	19.7	9.6	1.78		M	1.98	M	M	1527	1629	15.6	9.3	14.5	9.9	2.40	1.49	160	50	50	M	M
10/16/87	13.5	6.9	0.00		M	1.45	M	M	1528	1631	14.2	9.7	M	10.7	2.92	2.39	278	35	65	M	M
10/17/87	12.3	5.5	0.51		M	1.87	M	M	1528	1632	M	6.8	13.0	8.3	3.82	3.20	278	33	33	M	M
10/18/87	12.7	1.4	0.00		M	2.82	M	M	1528	1633	13.1	4.8	12.1	6.3	3.01	2.33	295	39	13	M	M
10/19/87	12.7	-1.4	0.00		M	3.17	M	M	1528	1634	13.1	2.6	11.8	4.4	1.79	1.40	274	38	5	M	M
10/20/87	4.2	-2.2	0.00		M	0.96	M	M	1528	1634	5.7	2.4	6.2	3.9	4.07	3.66	298	26	16	M	M
10/21/87	7.5	-2.1	0.25		M	3.42	M	M	1528	1634	11.3	1.3	9.8	2.6	3.49	1.94	M	50	0	M	M
10/22/87	10.1	0.6	0.25		M	2.92	M	M	1528	1635	11.7	2.7	10.4	4.0	3.69	0.98	319	69	33	M	M
10/23/87 *	11.1	0.6	0.00		M	M	M	M	1528	1635	M	M	M	M	M	M	M	M	M	M	M
10/24/87 *	6.7	0.6	12.95		M	M	M	M	1528	1635	M	M	M	M	M	M	M	M	M	M	M
10/25/87	10.7	-4.4	0.25		M	3.25	M	M	1573	1680	10.2	0.7	8.9	2.0	2.91	2.61	175	26	11	M	M
10/26/87	9.6	-0.1	0.51		M	0.38	M	M	1573	1680	6.3	1.5	6.3	2.9	3.73	2.16	247	43	52	M	M
10/27/87	9.4	-1.7	0.00		M	2.62	M	M	1573	1680	8.6	0.8	M	2.0	3.39	3.03	299	26	2	M	M
10/28/87	10.2	-4.4	0.00		M	2.32	M	M	1573	1680	8.9	0.6	7.6	1.7	2.32	1.35	262	52	0	M	M
10/29/87	13.6	0.2	0.00		M	2.89	M	M	1573	1682	11.8	1.7	10.4	2.9	3.14	2.68	152	31	0	M	M
10/30/87	17.8	2.1	0.00		M	3.15	M	M	1573	1686	14.6	2.9	12.6	3.9	2.94	0.81	323	69	0	M	M
10/31/87	12.6	1.5	2.54		M	1.91	M	M	1573	1687	9.8	2.7	9.1	4.1	3.94	3.80	M	M	56	M	M
MONTHLY	MEAN	MEAN	TOTAL	TOTAL	MEAN	MN.	MN.	TOTL	TOT	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MN.	MN.	MN	MEAN	MEAN
	12.3	0.7	19.30		M	M	M	61	91	M	M	M	M	M	M	M	M	M	M	M	M

R O S E M O U N T

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
4/ 1/87 *	7.2	0.6	0.00		M	M	M	0	0	M	M	M	M	M	M	M	M	M	M	M
4/ 2/87 *	5.0	-6.1	0.00		M	M	M	0	0	M	M	M	M	M	M	M	M	M	M	M
4/ 3/87 *	8.3	-9.4	0.00		M	M	M	0	0	M	M	M	M	M	M	M	M	M	M	M
4/ 4/87 *	13.9	-6.1	0.00		M	M	M	0	2	M	M	M	M	M	M	M	M	M	M	M
4/ 5/87 *	18.9	-1.7	0.00		M	M	M	0	6	M	M	M	M	M	M	M	M	M	M	M
4/ 6/87 *	21.1	-1.1	0.00		M	M	M	0	12	M	M	M	M	M	M	M	M	M	M	M
4/ 7/87 *	23.3	2.8	0.00		M	M	M	3	19	M	M	M	M	M	M	M	M	M	M	M
4/ 8/87 *	24.4	0.6	0.00		M	M	M	6	26	M	M	M	M	M	M	M	M	M	M	M
4/ 9/87 *	25.6	1.1	0.00		M	M	M	9	34	M	M	M	M	M	M	M	M	M	M	M
4/10/87 *	23.3	2.8	0.00		M	M	M	12	40	M	M	M	M	M	M	M	M	M	M	M
4/11/87 *	17.2	-1.1	0.00		M	M	M	12	44	M	M	M	M	M	M	M	M	M	M	M
4/12/87 *	22.2	-0.6	0.00		M	M	M	13	50	M	M	M	M	M	M	M	M	M	M	M
4/13/87 *	15.6	7.2	0.00		M	M	M	14	53	M	M	M	M	M	M	M	M	M	M	M
4/14/87 *	16.7	4.4	0.00		M	M	M	15	56	M	M	M	M	M	M	M	M	M	M	M
4/15/87 *	13.3	6.7	0.00		M	M	M	15	58	M	M	M	M	M	M	M	M	M	M	M
4/16/87 *	25.0	2.8	0.00		M	M	M	19	65	M	M	M	M	M	M	M	M	M	M	M
4/17/87 *	28.9	4.4	0.00		M	M	M	25	75	M	M	M	M	M	M	M	M	M	M	M
4/18/87 *	31.1	9.4	0.00		M	M	M	36	85	M	M	M	M	M	M	M	M	M	M	M
4/19/87 *	29.4	8.9	0.00		M	M	M	45	94	M	M	M	M	M	M	M	M	M	M	M
4/20/87 *	27.8	13.9	0.00		M	M	M	56	105	M	M	M	M	M	M	M	M	M	M	M
4/21/87 *	15.6	5.0	0.00		M	M	M	56	108	M	M	M	M	M	M	M	M	M	M	M
4/22/87 *	14.4	3.9	3.81		M	M	M	56	110	M	M	M	M	M	M	M	M	M	M	M
4/23/87 *	21.1	0.0	0.00		M	M	M	56	116	M	M	M	M	M	M	M	M	M	M	M
4/24/87 *	21.1	8.3	0.00		M	M	M	61	121	M	M	M	M	M	M	M	M	M	M	M
4/25/87 *	23.3	8.3	0.00		M	M	M	67	128	M	M	M	M	M	M	M	M	M	M	M
4/26/87 *	27.8	6.1	0.00		M	M	M	74	137	M	M	M	M	M	M	M	M	M	M	M
4/27/87 *	26.7	8.9	0.00		M	M	M	82	145	M	M	M	M	M	M	M	M	M	M	M
4/28/87 *	26.1	0.0	0.00		M	M	M	85	153	M	M	M	M	M	M	M	M	M	M	M
4/29/87 *	22.8	10.6	0.00		M	M	M	91	160	M	M	M	M	M	M	M	M	M	M	M
4/30/87 *	22.2	1.7	0.00		M	M	M	93	166	M	M	M	M	M	M	M	M	M	M	M
MONTHLY	MEAN 20.6	MEAN 3.1	TOTAL 3.81	TOTAL M	MEAN M	MN. M	MN. M	TOTL 93	TOT 166	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MN. M	MN. M	MN M	MEAN M	MEAN M
5/ 1/87 *	14.4	8.3	6.35	M	M	M	M	95	168	M	M	M	M	M	M	M	M	M	M	M
5/ 2/87 *	18.3	7.2	12.70	M	M	M	M	97	172	M	M	M	M	M	M	M	M	M	M	M
5/ 3/87 *	19.4	8.9	0.00	M	M	M	M	102	177	M	M	M	M	M	M	M	M	M	M	M
5/ 4/87 *	20.0	0.6	0.00	M	M	M	M	102	182	M	M	M	M	M	M	M	M	M	M	M
5/ 5/87 *	21.1	2.2	0.00	M	M	M	M	104	188	M	M	M	M	M	M	M	M	M	M	M
5/ 6/87 *	23.9	1.7	0.00	M	M	M	M	106	195	M	M	M	M	M	M	M	M	M	M	M
5/ 7/87 *	23.9	5.6	0.00	M	M	M	M	111	202	M	M	M	M	M	M	M	M	M	M	M
5/ 8/87 *	31.7	6.7	0.00	M	M	M	M	120	212	M	M	M	M	M	M	M	M	M	M	M
5/ 9/87 *	32.2	17.2	0.00	M	M	M	M	135	225	M	M	M	M	M	M	M	M	M	M	M
5/10/87 *	33.3	21.1	7.87	M	M	M	M	152	241	M	M	M	M	M	M	M	M	M	M	M
5/11/87 *	22.8	15.6	2.03	M	M	M	M	161	250	M	M	M	M	M	M	M	M	M	M	M
5/12/87 *	24.4	5.0	0.00	M	M	M	M	166	257	M	M	M	M	M	M	M	M	M	M	M
5/13/87 *	30.6	10.6	0.00	M	M	M	M	177	267	M	M	M	M	M	M	M	M	M	M	M
5/14/87 *	30.6	12.2	17.78	M	M	M	M	188	279	M	M	M	M	M	M	M	M	M	M	M
5/15/87 *	23.9	7.2	0.00	M	M	M	M	194	286	M	M	M	M	M	M	M	M	M	M	M
5/16/87 *	33.9	15.6	0.00	M	M	M	M	208	298	M	M	M	M	M	M	M	M	M	M	M
5/17/87 *	34.4	15.0	0.00	M	M	M	M	223	311	M	M	M	M	M	M	M	M	M	M	M
5/18/87 *	31.1	9.4	0.00	M	M	M	M	233	321	M	M	M	M	M	M	M	M	M	M	M
5/19/87 *	16.7	8.3	6.35	M	M	M	M	236	324	M	M	M	M	M	M	M	M	M	M	M
5/20/87 *	25.0	13.3	2.03	M	M	M	M	245	333	M	M	M	M	M	M	M	M	M	M	M
5/21/87 *	25.6	15.6	9.40	M	M	M	M	256	344	M	M	M	M	M	M	M	M	M	M	M
5/22/87 *	20.0	5.0	1.52	M	M	M	M	258	349	M	M	M	M	M	M	M	M	M	M	M
5/23/87 *	18.3	1.1	0.00	M	M	M	M	258	353	M	M	M	M	M	M	M	M	M	M	M
5/24/87 *	16.7	7.2	0.00	M	M	M	M	260	356	M	M	M	M	M	M	M	M	M	M	M
5/25/87 *	17.8	11.1	2.03	M	M	M	M	264	361	M	M	M	M	M	M	M	M	M	M	M
5/26/87 *	27.2	12.8	1.52	M	M	M	M	274	371	M	M	M	M	M	M	M	M	M	M	M
5/27/87 *	28.3	17.2	0.00	M	M	M	M	287	384	M	M	M	M	M	M	M	M	M	M	M
5/28/87 *	28.3	17.8	0.00	M	M	M	M	300	397	M	M	M	M	M	M	M	M	M	M	M
5/29/87 *	27.8	16.7	1.78	M	M	M	M	313	409	M	M	M	M	M	M	M	M	M	M	M
5/30/87 *	28.3	16.1	0.00	M	M	M	M	325	421	M	M	M	M	M	M	M	M	M	M	M
5/31/87 *	28.9	13.3	0.00	M	M	M	M	336	432	M	M	M	M	M	M	M	M	M	M	M
MONTHLY	MEAN 25.1	MEAN 10.5	TOTAL 71.36	TOTAL M	MEAN M	MN. M	MN. M	TOTL 242	TOT 266	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MN. M	MN. M	MN M	MEAN M	MEAN M

ROSE MOUNT

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
6/ 1/87 *	33.9	15.6	0.00		M	M	M	M	351	445	M	M	M	M	M	M	M	M	M	M
6/ 2/87 *	25.6	11.7	0.00		M	M	M	M	359	454	M	M	M	M	M	M	M	M	M	M
6/ 3/87 *	25.6	10.0	0.00		M	M	M	M	367	461	M	M	M	M	M	M	M	M	M	M
6/ 4/87 *	28.0	5.0	0.00		M	M	M	M	373	470	M	M	M	M	M	M	M	M	M	M
6/ 5/87	29.8	12.0	0.00		M	M	71	39	384	481	26.4	16.2	23.4	16.8	M	M	92	51	M	1.38 1.41
6/ 6/87	33.4	19.8	0.00		M	M	63	32	401	496	26.7	20.1	24.2	19.8	4.38	4.30	204	11	M	1.57 1.97
6/ 7/87	35.2	20.8	0.00		M	M	81	37	419	512	28.7	21.3	25.5	21.0	4.52	3.14	256	45	M	1.78 1.67
6/ 8/87	27.2	13.9	0.00		M	M	77	40	430	522	28.1	21.1	25.3	21.1	4.01	3.22	346	36	M	1.47 1.11
6/ 9/87	24.0	5.9	0.00		M	M	96	29	434	529	27.4	18.3	24.6	19.3	2.73	2.21	83	35	M	0.99 0.95
6/10/87	18.3	12.9	3.30		M	M	95	63	440	535	21.5	17.7	22.2	18.1	4.44	4.19	134	19	M	1.35 0.31
6/11/87	30.3	15.5	6.35		M	M	94	45	453	547	26.3	17.6	23.4	17.8	4.41	3.45	233	38	M	2.09 0.80
6/12/87	32.3	17.2	0.00		M	M	90	31	468	561	30.1	19.2	26.5	19.5	3.13	2.76	301	28	2	1.69 1.59
6/13/87	37.6	16.2	0.00		M	8.83	82	17	485	574	31.9	20.7	28.3	21.1	2.79	2.35	271	32	18	1.62 2.39
6/14/87	37.2	17.9	0.00		M	8.94	84	20	502	588	33.0	22.6	29.3	22.8	3.39	2.62	337	38	3	1.60 2.39
6/15/87	32.0	15.9	0.00		M	9.20	70	21	516	601	31.9	22.3	28.7	22.8	3.04	2.50	88	34	0	1.15 1.97
6/16/87	31.8	13.3	0.00		M	8.19	92	31	529	613	30.9	22.0	27.9	22.7	2.77	2.42	128	29	18	1.57 1.50
6/17/87	24.9	18.4	6.10		M	2.94	93	71	540	624	25.7	22.3	25.9	22.7	2.95	1.78	137	51	45	2.20 0.37
6/18/87	33.5	25.8	6.35		M	7.88	95	40	560	642	32.4	20.6	28.7	21.1	1.60	0.83	335	56	32	2.17 1.21
6/19/87	32.4	19.7	0.00		M	6.39	90	47	576	657	32.3	22.8	28.7	23.2	3.03	2.12	71	44	1	2.17 0.94
6/20/87	27.4	19.6	0.00		M	5.84	91	67	589	671	30.6	23.2	27.8	23.3	2.77	2.60	84	20	0	2.18 0.54
6/21/87	29.9	16.3	0.00		M	5.57	94	58	603	684	30.7	22.8	28.1	23.2	1.45	1.10	84	40	0	2.21 0.70
6/22/87	30.3	15.5	0.00		M	7.16	94	56	615	696	32.2	22.7	29.0	23.2	2.22	2.02	121	24	35	2.16 0.68
6/23/87	29.1	18.1	0.00		M	5.36	91	64	629	710	29.6	23.7	27.4	23.8	2.79	1.55	259	54	30	2.25 0.62
6/24/87	30.4	13.8	0.00		M	6.27	92	37	641	722	30.7	22.2	27.8	22.8	2.02	1.39	320	49	13	1.75 1.13
6/25/87	27.1	16.5	3.97		M	7.38	92	34	653	734	28.1	22.3	26.1	22.9	4.46	4.06	306	24	32	1.47 1.07
6/26/87	22.7	11.8	0.00		M	7.04	90	37	660	741	25.8	19.2	24.2	20.6	4.60	4.36	309	19	0	1.16 0.85
6/27/87	27.7	8.4	0.00		M	7.93	81	31	668	750	27.8	17.2	25.1	18.9	3.61	3.29	284	24	3	1.17 1.20
6/28/87	31.1	13.1	0.00		M	6.22	93	49	680	761	30.3	20.2	26.9	20.9	2.88	1.48	235	57	40	1.83 0.71
6/29/87	23.8	14.7	0.00		M	7.66	93	54	690	771	24.8	19.3	23.7	20.3	2.61	2.10	326	36	30	1.67 0.61
6/30/87	26.5	11.3	0.00		M	8.37	91	35	699	780	30.7	17.0	27.3	18.6	1.68	1.20	332	48	18	1.38 0.98
MONTHLY	MEAN 29.3	MEAN 14.9	TOTAL 26.07	TOTAL M	MEAN M	MN. M	MN. M	TOTL M	TOT M	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MN. M	MN. M	MN M	MEAN M	MEAN M
7/ 1/87	26.4	19.4	0.00		M	0.58	68	40	711	792	31.1	24.3	27.9	24.9	3.42	3.28	180	16	4	1.44 1.23
7/ 2/87	28.1	18.3	2.03		M	7.92	74	44	725	806	30.7	21.9	27.9	22.4	4.67	3.67	259	37	2	1.68 1.15
7/ 3/87	26.7	13.3	0.00		M	8.49	91	47	735	816	31.6	20.7	28.7	21.8	2.02	1.42	340	44	13	1.60 0.86
7/ 4/87	27.6	13.8	0.00		M	7.97	90	49	745	826	31.0	21.3	28.2	22.3	2.96	2.80	117	19	15	1.75 0.84
7/ 5/87	29.8	17.3	1.02		M	4.72	92	66	759	840	29.8	22.6	27.3	23.2	3.57	2.98	150	33	39	2.13 0.44
7/ 6/87	30.6	16.7	5.59		M	7.67	92	60	773	853	32.5	21.0	29.7	21.7	1.69	1.01	208	52	41	2.32 0.73
7/ 7/87	29.6	18.1	0.00		M	5.20	91	59	786	867	30.3	23.3	28.2	23.7	2.06	1.59	220	39	52	2.24 0.59
7/ 8/87	31.1	17.4	0.00		M	7.88	91	34	801	881	31.2	22.6	29.3	23.3	2.53	1.71	66	46	44	1.86 1.27
7/ 9/87	29.8	18.1	4.13		M	7.55	91	59	815	895	28.9	22.3	27.7	23.1	2.74	1.13	260	62	34	2.31 0.63
7/10/87	29.7	18.4	0.00		M	7.16	91	68	829	909	28.8	22.6	27.8	23.2	2.66	1.86	214	44	31	2.48 0.62
7/11/87 *	30.0	20.0	1.52		M	M	M	M	844	924	M	M	M	M	M	M	M	M	M	M
7/12/87 *	29.4	17.8	3.30		M	M	M	M	857	938	M	M	M	M	M	M	M	M	M	M
7/13/87 *	23.9	14.4	0.00		M	M	M	M	867	947	M	M	M	M	M	M	M	M	M	M
7/14/87	23.6	14.1	0.00		M	1.75	90	57	875	956	26.9	21.7	24.9	22.8	2.06	1.84	97	26	20	1.62 0.64
7/15/87	26.0	8.8	0.25		M	8.26	93	48	883	964	28.9	18.5	26.2	20.0	1.89	1.59	127	32	30	1.53 0.68
7/16/87 *	29.4	14.4	0.00		M	M	M	M	895	975	M	M	M	M	M	M	M	M	M	M
7/17/87 *	33.9	22.2	0.00		M	M	M	M	913	992	M	M	M	M	M	M	M	M	M	M
7/18/87 *	32.2	22.2	0.00		M	M	M	M	930	1008	M	M	M	M	M	M	M	M	M	M
7/19/87 *	32.8	19.4	7.37		M	M	M	M	946	1022	M	M	M	M	M	M	M	M	M	M
7/20/87 *	32.2	23.3	0.00		M	M	M	M	964	1039	M	M	M	M	M	M	M	M	M	M
7/21/87 *	31.1	17.2	86.36		M	M	M	M	978	1053	M	M	M	M	M	M	M	M	M	M
7/22/87 *	32.2	20.0	0.00		M	M	M	M	994	1068	M	M	M	M	M	M	M	M	M	M
7/23/87 *	33.3	21.7	0.00		M	M	M	M	1012	1084	M	M	M	M	M	M	M	M	M	M
7/24/87 *	32.2	18.9	147.30		M	M	M	M	1027	1098	M	M	M	M	M	M	M	M	M	M
7/25/87 *	31.1	17.2	0.00		M	M	M	M	1041	1112	M	M	M	M	M	M	M	M	M	M
7/26/87 *	27.8	18.9	29.97		M	M	M	M	1055	1125	M	M	M	M	M	M	M	M	M	M
7/27/87 *	33.9	20.6	0.00		M	M	M	M	1072	1140	M	M	M	M	M	M	M	M	M	M
7/28/87 *	30.6	19.4	0.00		M	M	M	M	1087	1155	M	M	M	M	M	M	M	M	M	M
7/29/87 *	32.2	22.0	0.00		M	M	M	M	1104	1171	M	M	M	M	M	M	M	M	M	M
7/30/87	33.1	21.4	0.00		M	7.52	86	68	1121	1187	36.1	25.3	32.8	25.7	1.79	1.15	120	48	40	M M
7/31/87	33.9	21.1	0.00		M	6.67	86	66	1139	1202	35.6	26.1	32.7	26.4	2.52	2.17	137	30	47	M M
MONTHLY	MEAN 30.1	MEAN 18.3	TOTAL 288.84	TOTAL M	MEAN M	MN. M	MN. M	TOTL M	TOT M	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MN. M	MN. M	MN M	MEAN M	MEAN M

ROSE MOUNT

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
8/ 1/87	32.3	22.6	0.00		M	5.63	86	72	1156	1219	34.4	26.3	31.9	26.8	2.26	1.38	234	51 20	M	M
8/ 2/87	33.6	21.1	0.00		M	7.83	86	53	1174	1234	36.3	25.7	33.4	26.3	1.76	0.89	319	57 50	M	M
8/ 3/87	27.9	18.7	0.00		M	4.22	85	61	1187	1247	31.4	25.4	30.1	26.3	2.16	0.39	294	73 44	M	M
8/ 4/87	21.7	12.7	0.00		M	4.16	88	71	1194	1255	27.0	22.0	26.7	23.5	1.79	1.50	349	33 25	M	M
8/ 5/87	25.4	9.6	0.00		M	6.94	90	59	1202	1262	30.7	19.3	27.8	21.1	2.31	2.06	156	27 37	M	M
8/ 6/87	27.0	16.2	0.00		M	5.52	86	56	1213	1274	29.3	21.9	27.3	22.8	3.33	2.25	231	46 12	M	M
8/ 7/87	27.6	12.4	0.00		M	6.23	88	50	1223	1284	31.3	20.6	28.5	22.0	1.34	0.51	99	64 31	M	M
8/ 8/87	21.9	17.3	0.00		M	1.97	88	83	1233	1293	25.3	20.0	25.8	21.0	2.35	2.05	58	29 46	M	M
8/ 9/87	27.9	15.9	48.77		M	7.45	86	61	1245	1305	28.7	18.9	26.1	19.9	2.42	1.82	313	40 36	M	M
8/10/87	27.1	14.0	0.00		M	7.54	87	59	1255	1316	28.6	18.5	26.3	20.1	1.97	1.50	104	40 41	M	M
8/11/87	27.9	16.9	0.00		M	6.87	87	70	1268	1328	30.3	20.2	27.5	21.3	3.88	3.72	163	16 30	M	M
8/12/87	24.6	17.9	4.32		M	2.24	87	80	1279	1340	25.2	21.2	24.7	22.1	2.72	1.26	214	59 32	M	M
8/13/87	25.4	17.1	1.27		M	4.04	87	79	1290	1351	26.2	19.8	24.6	20.7	2.04	1.49	79	42 28	M	M
8/14/87	21.4	17.4	3.05		M	1.08	88	84	1300	1360	22.5	20.5	22.4	21.1	2.16	1.90	87	28 48	M	M
8/15/87	30.5	18.8	0.00		M	6.35	91	71	1314	1375	29.7	21.5	27.2	21.6	2.81	2.04	162	43 37	M	M
8/16/87	27.4	15.6	14.48		M	5.74	85	68	1326	1386	28.4	20.7	26.1	22.4	3.06	1.75	271	53 45	M	M
8/17/87	24.1	13.6	0.00		M	7.11	86	61	1335	1395	25.8	17.8	23.9	19.5	2.70	2.29	275	31 51	M	M
8/18/87	23.4	14.0	0.00		M	6.95	86	54	1343	1404	26.8	18.4	24.3	19.7	3.07	2.70	275	28 17	M	M
8/19/87	24.2	11.1	0.00		M	6.81	87	49	1351	1411	27.8	16.8	24.9	18.5	1.81	1.41	270	38 50	M	M
8/20/87	27.4	10.3	0.00		M	6.59	87	58	1360	1420	28.1	17.3	25.3	18.9	2.52	2.26	178	26 49	M	M
8/21/87	25.0	17.7	0.00		M	2.53	85	73	1371	1432	24.3	20.9	23.3	21.4	3.08	0.93	172	68 40	M	M
8/22/87	21.2	10.3	0.00		M	6.12	82	51	1377	1437	25.2	17.5	23.2	19.1	2.98	2.73	326	23 13	M	M
8/23/87	19.9	6.1	0.00		M	7.27	88	43	1380	1442	25.3	15.2	22.7	17.1	2.07	1.80	326	29 48	M	M
8/24/87	23.0	5.3	0.00		M	6.76	88	44	1384	1449	25.7	14.5	23.0	16.4	1.88	1.69	220	26 37	M	M
8/25/87	19.1	9.6	0.00		M	2.84	87	66	1388	1453	21.7	17.2	20.6	18.3	2.11	1.55	129	42 17	M	M
8/26/87	16.1	13.2	0.00		M	0.95	85	81	1393	1458	18.2	17.2	19.0	17.8	2.19	1.92	57	29 0	M	M
8/27/87	20.5	14.2	0.00		M	2.77	86	75	1400	1465	21.8	16.9	20.2	17.4	1.82	1.51	8	33 25	M	M
8/28/87	23.6	11.5	12.45		M	4.83	87	60	1408	1473	24.4	16.9	21.9	17.5	0.90	0.14	198	74 58	M	M
8/29/87	26.3	9.5	0.00		M	5.64	87	66	1416	1481	21.7	15.2	20.5	16.6	4.22	4.01	189	18 36	M	M
8/30/87	21.8	9.4	0.00		M	5.92	85	56	1421	1487	22.4	16.1	20.3	17.5	3.61	3.18	304	28 16	M	M
8/31/87	19.9	6.0	0.00		M	6.83	88	43	1424	1492	21.9	13.3	19.7	15.0	2.65	2.33	298	28 37	M	M
MONTHLY	MEAN 24.7	MEAN 13.7	TOTAL 84.34	TOTAL M	MEAN 5.28	MN. 87	MN. 63	TOTL 286	TOT 290	MEAN 26.7	MEAN 19.2	MEAN 24.8	MEAN 20.3	MEAN 2.45	MEAN 1.84	MN. 205	MN. 39	MN 34	MEAN M	MEAN M
9/ 1/87	25.6	6.8	0.00		M	6.19	87	47	1431	1500	23.4	14.0	20.8	15.3	2.97	1.98	293	47 30	M	M
9/ 2/87	23.7	6.5	0.00		M	6.49	87	40	1436	1506	23.7	14.3	21.1	15.6	1.12	0.21	151	73 49	M	M
9/ 3/87	24.2	9.6	0.00		M	5.86	85	52	1443	1513	22.1	14.8	20.3	16.0	4.87	4.69	163	15 15	M	M
9/ 4/87	29.5	14.6	0.00		M	5.62	83	57	1455	1526	24.2	16.5	21.9	17.1	4.27	4.03	171	19 5	M	M
9/ 5/87	29.8	16.9	0.00		M	4.45	84	59	1468	1539	24.8	19.7	22.6	19.6	3.01	2.37	205	37 44	M	M
9/ 6/87	24.6	11.2	0.00		M	5.77	86	48	1476	1547	24.0	18.0	22.1	18.7	1.33	0.85	343	49 58	M	M
9/ 7/87	26.1	8.2	0.00		M	5.71	86	42	1483	1555	23.5	16.1	21.6	17.2	1.50	0.70	75	59 41	M	M
9/ 8/87	22.6	8.7	0.00		M	6.27	85	38	1489	1561	22.8	17.2	21.2	18.1	2.35	1.91	336	35 30	M	M
9/ 9/87	23.7	6.0	0.00		M	4.82	86	50	1493	1568	20.7	14.6	19.5	16.0	2.92	2.65	203	25 42	M	M
9/10/87	21.7	8.7	0.00		M	2.34	86	70	1499	1574	19.0	15.2	18.3	16.2	2.07	1.47	195	43 85	M	M
9/11/87	21.1	10.6	5.08		M	5.10	85	47	1505	1580	20.1	15.4	18.9	16.1	2.09	1.73	310	34 56	M	M
9/12/87	18.7	7.2	0.00		M	3.50	86	58	1508	1584	18.5	15.0	17.8	15.8	2.25	1.67	283	41 61	M	M
9/13/87	20.0	3.9	0.00		M	5.81	88	47	1510	1589	18.3	12.1	17.4	13.5	1.25	0.67	304	55 63	M	M
9/14/87	20.9	2.8	0.00		M	2.95	87	54	1511	1594	16.2	11.0	15.8	12.6	1.92	1.37	131	43 51	M	M
9/15/87	24.3	7.2	0.00		M	5.23	88	63	1517	1602	20.0	12.4	18.3	13.4	1.66	1.30	109	38 62	M	M
9/16/87	20.0	16.9	7.11		M	1.14	85	82	1526	1610	18.9	17.0	18.2	16.9	2.86	2.71	81	18 60	M	M
9/17/87	17.5	13.8	2.79		M	1.16	84	81	1531	1616	18.0	16.2	17.8	16.6	2.93	2.59	354	28 61	M	M
9/18/87	19.5	9.2	2.54		M	3.53	85	59	1536	1620	17.9	15.0	17.3	15.6	2.54	2.10	290	34 65	M	M
9/19/87	17.2	5.3	3.05		M	2.03	86	66	1537	1624	15.7	13.0	15.8	13.9	2.16	1.66	299	39 81	M	M
9/20/87	18.8	9.3	13.97		M	3.26	85	63	1541	1628	16.2	13.2	15.6	13.7	2.88	2.38	334	34 74	M	M
9/21/87	19.7	8.8	0.00		M	3.90	85	64	1545	1633	16.5	12.8	15.8	13.4	2.78	2.51	350	25 44	M	M
9/22/87	21.0	6.3	0.25		M	4.64	86	53	1549	1639	17.0	12.2	16.2	13.1	1.98	1.53	299	39 53	M	M
9/23/87	25.2	7.9	0.00		M	5.47	85	41	1555	1646	18.1	12.6	16.9	13.3	2.80	2.29	267	35 33	M	M
9/24/87	20.1	6.3	0.00		M	5.00	85	43	1559	1651	17.4	13.0	16.5	13.7	1.85	1.67	37	25 43	M	M
9/25/87	23.0	2.5	0.00		M	5.09	86	42	1561	1658	16.7	10.5	15.7	11.9	1.98	1.68	194	32 52	M	M
9/26/87	28.0	9.3	0.00		M	4.83	85	43	1570	1667	18.4	12.5	17.0	13.1	3.29	3.04	178	22 27	M	M
9/27/87	30.0	14.6	0.00		M	4.77	83	41	1582	1679	19.4	15.0	18.2	15.1	4.81	4.63	188	16 22	M	M
9/28/87	20.8	12.3	0.00		M	3.93	85	52	1589	1686	17.9	15.4	17.5	15.8	3.95	3.70	253	20 3	M	M
9/29/87	21.6	9.6	0.00		M	4.60	84	33	1594	1692	17.1	13.8	16.5	14.8	4.11	3.76	319	24 3	M	M
9/30/87	17.0	6.2	0.00		M	4.94	78	28	1596	1695	15.7	12.6	15.4	13.5	2.89	2.06	332	44 0	M	M
MONTHLY	MEAN 22.5	MEAN 8.9	TOTAL 34.79	TOTAL M	MEAN 4.48	MN. 85	MN. 52	TOTL 172	TOT 203	MEAN 19.4	MEAN 14.4	MEAN 18.3	MEAN 15.2	MEAN 2.65	MEAN 2.20	MN. 235	MN. 35	MN 44	MEAN M	MEAN M

ROSE MOUNT

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
10/ 1/87	22.2	5.5	0.00		M 3.43	76	43	1600	1701	15.6	11.4	15.0	12.4	6.49	4.05	285	50	2	M	M
10/ 2/87	10.4	-1.7	0.00		M 4.07	85	39	1600	1701	12.6	8.8	13.5	10.6	4.97	4.37	349	28	8	M	M
10/ 3/87	16.8	-3.9	0.00		M 4.87	87	18	1600	1705	12.8	6.7	12.2	8.5	2.80	2.60	210	22	6	M	M
10/ 4/87	25.9	5.1	0.00		M 4.37	67	29	1605	1713	15.3	8.8	14.1	9.7	3.47	3.03	213	29	0	M	M
10/ 5/87	16.2	6.2	0.00		M 0.91	83	43	1607	1716	12.7	10.9	13.1	11.5	6.76	6.41	301	18	18	M	M
10/ 6/87	9.3	2.6	0.00		M 2.29	84	53	1607	1716	11.1	8.8	11.5	9.9	5.28	4.96	323	20	7	M	M
10/ 7/87	10.7	-1.7	0.00		M 4.69	85	45	1607	1716	11.5	7.2	10.9	8.5	2.44	2.03	335	33	11	M	M
10/ 8/87	16.1	-2.2	0.00		M 3.47	85	30	1607	1719	11.2	6.1	10.7	7.5	4.95	3.33	190	46	2	M	M
10/ 9/87	7.9	1.2	0.00		M 1.71	69	46	1607	1719	9.7	7.3	10.2	8.2	4.79	4.43	313	22	0	M	M
10/10/87	3.4	-6.2	0.00		M 1.58	82	50	1607	1719	8.1	4.3	8.2	6.3	2.36	1.68	318	43	0	M	M
10/11/87	11.8	-7.8	0.00		M 4.11	86	29	1607	1720	8.7	2.6	8.1	4.4	3.23	2.96	231	24	2	M	M
10/12/87	16.5	-1.2	0.00		M 4.29	81	21	1607	1723	10.8	4.3	9.6	5.5	1.61	0.64	283	63	0	M	M
10/13/87	23.4	-1.5	0.00		M 3.71	78	18	1607	1730	12.2	4.7	10.9	6.0	3.76	3.02	200	36	0	M	M
10/14/87	14.3	6.2	0.00		M 1.16	85	39	1608	1732	10.9	8.5	10.5	9.0	1.65	0.92	357	54	12	M	M
10/15/87	11.1	6.7	12.19		M 0.47	88	82	1608	1733	10.5	8.9	10.2	9.2	2.71	2.15	109	37	99	M	M
10/16/87	12.2	6.5	6.35		M 1.23	88	74	1608	1734	11.3	9.7	10.8	10.0	3.40	3.11	263	24	79	M	M
10/17/87	13.1	3.6	1.52		M 2.86	85	60	1608	1735	11.1	8.0	10.6	8.9	3.34	2.26	282	46	57	M	M
10/18/87	11.0	0.9	0.00		M 2.52	84	50	1608	1736	9.7	6.3	9.4	7.6	3.19	2.99	287	20	18	M	M
10/19/87	12.0	-2.4	0.00		M 3.53	86	33	1608	1737	9.3	4.6	8.7	5.8	2.38	2.00	251	32	35	M	M
10/20/87	4.0	-0.0	2.54		M 1.55	86	66	1608	1737	5.7	3.9	6.7	5.1	4.83	4.47	306	22	65	M	M
10/21/87	5.1	-2.7	0.00		M 2.28	86	58	1608	1737	6.3	2.9	6.0	4.1	2.64	0.80	283	68	8	M	M
10/22/87	5.2	0.2	0.00		M 1.76	86	78	1608	1737	6.0	3.7	5.9	4.5	3.45	1.59	44	59	43	M	M
10/23/87	4.6	-1.1	0.00		M 0.62	86	71	1608	1737	5.2	4.2	5.4	4.8	1.95	1.34	226	45	27	M	M
10/24/87	5.3	-2.2	2.79		M 1.09	87	77	1608	1737	5.5	3.5	5.5	4.3	2.03	0.98	350	58	52	M	M
10/25/87	10.0	-4.6	0.00		M 2.35	86	62	1608	1737	5.9	2.2	5.6	3.3	3.70	3.55	176	16	8	M	M
10/26/87	10.9	-0.7	0.00		M 1.22	86	54	1608	1737	6.4	3.5	6.0	4.2	4.34	2.74	277	49	9	M	M
10/27/87	8.8	-0.3	0.00		M 2.20	81	53	1608	1737	5.6	2.7	5.3	3.8	4.44	4.16	308	20	1	M	M
10/28/87	8.1	-2.8	0.00		M 1.78	85	48	1608	1737	6.3	2.5	5.7	3.4	1.72	0.35	208	72	0	M	M
10/29/87	14.8	0.1	0.00		M 3.13	81	42	1608	1740	7.3	3.3	6.5	4.0	3.56	3.00	160	32	0	M	M
10/30/87	13.5	2.9	0.00		M 3.31	81	43	1608	1741	8.2	3.9	7.2	4.6	2.91	1.96	18	46	1	M	M
10/31/87	12.5	-0.4	0.00		M 2.45	86	65	1608	1743	7.5	3.6	6.9	4.4	3.55	3.36	91	19	15	M	M
MONTHLY	MEAN 11.8	MEAN 0.1	TOTAL 25.39	TOTAL M	MEAN 2.55	MN. 83	MN. 49	TOTL 12	TOT 48	MEAN 9.4	MEAN 5.7	MEAN 9.1	MEAN 6.8	MEAN 3.51	MEAN 2.75	MN. 243	MN. 37	MN 19	MEAN M	MEAN M

S T. P A U L

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
4/ 1/87 *	7.2	-0.6	0.00		M 3.55	M	M	0	0	3.9	0.6	M	M	4.23	M	M	M	M	M	M
4/ 2/87 *	3.9	-6.7	0.00		M 6.34	M	M	0	0	5.0	0.6	M	M	2.89	M	M	M	M	M	M
4/ 3/87 *	8.3	1.7	0.00		M 6.44	M	M	0	0	7.2	0.6	M	M	0.54	M	M	M	M	M	M
4/ 4/87 *	15.0	-2.2	0.00		M 6.49	M	M	0	3	10.0	1.1	M	M	0.62	M	M	M	M	M	M
4/ 5/87 *	18.3	-0.6	0.00		M 6.64	M	M	0	7	11.1	2.8	M	M	0.95	M	M	M	M	M	M
4/ 6/87 *	21.1	-0.6	0.00		M 6.66	M	M	0	12	12.8	3.9	M	M	1.27	M	M	M	M	M	M
4/ 7/87 *	22.8	3.9	0.00		M 6.67	M	M	4	19	14.4	5.6	M	M	0.97	M	M	M	M	M	M
4/ 8/87 *	24.4	4.4	0.00		M 6.40	M	M	8	26	15.6	7.2	M	M	0.41	M	M	M	M	M	M
4/ 9/87 *	25.6	6.7	0.00		M 6.20	M	M	14	34	15.0	8.3	M	M	1.47	M	M	M	M	M	M
4/10/87 *	24.4	5.6	0.00		M 5.02	M	M	19	41	15.0	9.4	M	M	1.64	M	M	M	M	M	M
4/11/87 *	17.2	2.2	0.00		M 3.88	M	M	19	44	12.2	8.3	M	M	1.16	M	M	M	M	M	M
4/12/87 *	21.7	1.7	0.00		M 6.15	M	M	21	50	15.6	7.2	M	M	1.19	M	M	M	M	M	M
4/13/87 *	21.7	8.3	0.00		M 3.45	M	M	26	56	13.9	10.6	M	M	0.91	M	M	M	M	M	M
4/14/87 *	17.8	7.2	0.25		M 3.80	M	M	28	60	13.3	10.0	M	M	3.07	M	M	M	M	M	M
4/15/87 *	15.6	6.1	1.02		M 2.26	M	M	29	63	12.8	10.0	M	M	2.31	M	M	M	M	M	M
4/16/87 *	24.4	6.1	0.00		M 6.03	M	M	34	70	16.7	8.9	M	M	1.32	M	M	M	M	M	M
4/17/87 *	29.4	6.7	0.00		M 6.81	M	M	43	80	18.9	10.6	M	M	1.77	M	M	M	M	M	M
4/18/87 *	30.6	6.7	0.00	10.16	6.99	M	M	51	90	20.6	12.8	M	M	1.64	M	M	M	M	M	M
4/19/87 *	30.6	14.4	0.00	11.43	5.86	M	M	64	102	20.0	15.0	M	M	4.28	M	M	M	M	M	M
4/20/87 *	28.3	12.2	0.25		M 4.40	M	M	74	112	20.6	16.1	M	M	3.89	M	M	M	M	M	M
4/21/87 *	14.4	3.3	0.00	6.35	5.15	M	M	74	114	16.1	12.8	M	M	3.35	M	M	M	M	M	M
4/22/87 *	13.3	3.9	3.05	3.30	2.10	M	M	74	116	13.3	10.6	M	M	1.79	M	M	M	M	M	M
4/23/87 *	20.6	2.2	0.00	4.32	7.14	M	M	75	121	17.8	8.3	M	M	1.51	M	M	M	M	M	M
4/24/87 *	19.4	9.4	0.00	8.64	4.93	M	M	80	126	16.7	11.7	M	M	2.52	M	M	M	M	M	M
4/25/87 *	22.2	8.3	0.00	7.11	6.77	M	M	85	132	20.0	12.2	M	M	2.94	M	M	M	M	M	M
4/26/87 *	26.7	8.3	0.00	6.10	6.43	M	M	92	141	21.1	13.9	M	M	0.88	M	M	M	M	M	M
4/27/87 *	26.7	5.6	0.25	11.18	7.27	M	M		149	19.4	14.4	M	M	3.06	M	M	M	M	M	M
4/28/87 *	25.0	13.3	0.00	7.62	7.31	M	M	108	158	20.0	11.7	M	M	1.45	M	M	M	M	M	M
4/29/87 *	26.1	13.3	0.00	10.41	7.67	M	M	117	168	20.6	14.4	M	M	1.60	M	M	M	M	M	M
4/30/87 *	20.6	3.9	0.00	8.13	7.13	M	M	120	173	20.0	13.3	M	M	1.25	M	M	M	M	M	M
MONTHLY	MEAN 20.8	MEAN 5.2	TOTAL 4.82	TOTAL M	MEAN 5.73	MN. M	MN. M	TOTL 120	TOT 173	MEAN 15.3	MEAN 9.1	MEAN M	MEAN M	MEAN 1.90	MEAN M	MN. M	MN. M	MN M	MEAN M	MEAN M
5/ 1/87 *	19.4	8.3	11.94	5.08	1.42	M	M	124	178	17.2	11.7	M	M	2.07	M	M	M	M	M	M
5/ 2/87 *	17.2	7.2	1.02	2.29	5.34	M	M	126	181	16.1	10.0	M	M	2.83	M	M	M	M	M	M
5/ 3/87 *	19.4	7.8	0.00	8.13	7.21	M	M	129	186	18.9	10.6	M	M	3.02	M	M	M	M	M	M
5/ 4/87 *	20.0	3.3	0.00	5.59	7.99	M	M	131	191	21.1	10.6	M	M	0.95	M	M	M	M	M	M
5/ 5/87 *	20.0	6.1	0.00	5.33	7.37	M	M	134	196	21.7	12.2	M	M	0.48	M	M	M	M	M	M
5/ 6/87 *	22.8	9.4	0.00	8.89	7.44	M	M	140	202	22.8	13.9	M	M	1.32	M	M	M	M	M	M
5/ 7/87 *	23.9	8.3	0.00	9.14	7.13	M	M	146	209	22.8	14.4	M	M	1.01	M	M	M	M	M	M
5/ 8/87 *	28.9	7.2	0.00	8.13	7.83	M	M	154	219	25.0	14.4	M	M	0.62	M	M	M	M	M	M
5/ 9/87 *	32.2	18.3	0.00	11.68	7.55	M	M	170	233	27.2	18.3	M	M	2.18	M	M	M	M	M	M
5/10/87 *	32.2	16.7	0.00	10.67	6.42	M	M	184	246	26.7	19.4	M	M	1.43	M	M	M	M	M	M
5/11/87 *	25.0	16.7	2.79	10.41	7.24	M	M	195	257	25.0	17.8	M	M	2.46	M	M	M	M	M	M
5/12/87 *	24.4	5.6	0.00	7.11	8.08	M	M	200	264	23.9	15.6	M	M	1.84	M	M	M	M	M	M
5/13/87 *	30.0	12.2	0.00	11.18	5.22	M	M	211	276	22.8	17.2	M	M	3.67	M	M	M	M	M	M
5/14/87 *	30.6	13.3	18.03	14.99	7.28	M	M	223	287	21.7	15.6	M	M	2.52	M	M	M	M	M	M
5/15/87 *	26.1	9.4	0.00	7.87	7.93	M	M	231	295	25.0	14.4	M	M	1.47	M	M	M	M	M	M
5/16/87 *	32.8	17.8	0.00	12.95	7.85	M	M	246	309	28.9	17.8	M	M	3.06	M	M	M	M	M	M
5/17/87 *	33.3	18.9	0.00	12.19	7.14	M	M	262	324	30.6	20.6	M	M	2.16	M	M	M	M	M	M
5/18/87 *	28.3	10.0	1.52	6.10	1.88	M	M	271	333	22.8	15.0	M	M	2.96	M	M	M	M	M	M
5/19/87 *	17.2	7.8	9.65	1.52	2.88	M	M	274	336	18.9	13.3	M	M	1.23	M	M	M	M	M	M
5/20/87 *	24.4	12.8	2.03	2.03	3.41	M	M	282	345	20.6	15.0	M	M	1.38	M	M	M	M	M	M
5/21/87 *	25.6	17.8	1.27	5.33	4.57	M	M	294	357	21.7	16.1	M	M	2.63	M	M	M	M	M	M
5/22/87 *	19.4	3.9	0.51	3.30	2.44	M	M	296	361	16.1	11.7	M	M	2.40	M	M	M	M	M	M
5/23/87 *	17.8	3.3	0.00	3.05	7.51	M	M	296	365	22.8	10.0	M	M	1.21	M	M	M	M	M	M
5/24/87 *	18.3	8.9	0.00	4.57	4.70	M	M	300	369	20.6	14.4	M	M	0.39	M	M	M	M	M	M
5/25/87 *	17.8	10.6	1.52	1.52	2.64	M	M	304	374	16.7	14.4	M	M	1.75	M	M	M	M	M	M
5/26/87 *	27.2	12.8	2.79	2.54	6.00	M	M	314	384	23.9	14.4	M	M	1.79	M	M	M	M	M	M
5/27/87 *	28.9	17.2	0.00	7.87	5.98	M	M	327	397	26.7	18.3	M	M		M	M	M	M	M	M
5/28/87 *	29.4	18.9	0.76	7.87	5.66	M	M	341	411	27.2	20.6	M	M	2.57	M	M	M	M	M	M
5/29/87 *	27.8	18.3	1.02	4.32	3.20	M	M	354	424	23.3	20.6	M	M	1.36	M	M	M	M	M	M
5/30/87 *	27.8	17.2	0.00	4.83	5.90	M	M	367	436	27.2	18.9	M	M	1.04	M	M	M	M	M	M
5/31/87 *	29.4	16.1	0.00	7.62	7.62	M	M	380	449	30.6	20.0	M	M	1.04	M	M	M	M	M	M
MONTHLY	MEAN 25.1	MEAN 11.7	TOTAL 54.85	TOTAL 214.10	MEAN 5.83	MN. M	MN. M	TOTL 260	TOT 276	MEAN 23.1	MEAN 15.4	MEAN M	MEAN M	MEAN M	MEAN M	MN. M	MN. M	MN M	MEAN M	MEAN M

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DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
6/ 1/87 *	32.8	17.8	0.00	10.67	6.95	M	M	395	463	30.0	21.7	M	M	2.11	M	M	M	M	M	M
6/ 2/87 *	31.1	14.4	0.00	12.70	7.22	M	M	408	475	28.9	21.1	M	M	2.40	M	M	M	M	M	M
6/ 3/87 *	25.6	13.3	0.00	13.46	7.58	M	M	417	485	25.6	19.4	M	M	3.58	M	M	M	M	M	M
6/ 4/87 *	28.3	7.8	0.00	10.41	7.98	M	M	425	494	27.2	17.2	M	M	2.22	M	M	M	M	M	M
6/ 5/87 *	28.9	12.8	0.00	8.13	8.00	M	M	436	505	29.4	19.4	M	M	1.21	M	M	M	M	M	M
6/ 6/87 *	33.9	20.6	0.00	13.46	7.86	M	M	453	520	30.6	22.2	M	M	2.31	M	M	M	M	M	M
6/ 7/87 *	34.4	22.8	0.00	13.46	6.48	M	M	472	536	31.7	24.4	M	M	2.20	M	M	M	M	M	M
6/ 8/87 *	26.7	16.7	0.00	8.38	6.59	M	M	484	548	30.0	22.8	M	M	1.34	M	M	M	M	M	M
6/ 9/87 *	24.4	8.9	0.00	8.64	8.58	M	M	490	555	30.0	20.6	M	M	1.14	M	M	M	M	M	M
6/10/87 *	24.4	12.2	7.62	5.84	2.62	M	M	499	564	24.4	17.8	M	M	1.55	M	M	M	M	M	M
6/11/87 *	29.4	13.3	7.37	3.30	5.62	M	M	510	575	25.0	17.2	M	M	2.44	M	M	M	M	M	M
6/12/87 *	31.7	17.2	0.00	10.67	8.66	M	M	524	589	30.6	19.4	M	M	1.43	M	M	M	M	M	M
6/13/87 *	37.2	20.0	0.00	13.72	8.73	M	M	543	604	33.9	22.2	M	M	1.23	M	M	M	M	M	M
6/14/87 *	36.7	20.6	0.00	11.43	8.69	M	M	562	619	35.0	24.4	M	M	0.93	M	M	M	M	M	M
6/15/87 *	33.9	16.1	0.00	14.22	9.01	M	M	577	632	33.9	24.4	M	M	1.17	M	M	M	M	M	M
6/16/87 *	32.2	17.8	0.00	10.67	8.24	M	M	592	646	33.3	24.4	M	M	0.56	M	M	M	M	M	M
6/17/87 *	31.7	18.9	5.59	7.37	3.66	M	M	607	660	28.3	23.9	M	M	1.38	M	M	M	M	M	M
6/18/87 *	32.8	18.3	0.51	4.57	6.74	M	M	622	674	32.2	22.2	M	M	0.26	M	M	M	M	M	M
6/19/87 *	32.8	19.4	0.00	10.41	6.45	M	M	639	689	31.7	24.4	M	M	0.69	M	M	M	M	M	M
6/20/87 *	30.6	20.0	0.00	6.86	5.01	M	M	654	704	30.0	24.4	M	M	1.10	M	M	M	M	M	M
6/21/87 *	29.4	18.3	0.00	5.33	5.34	M	M	668	718	31.1	23.9	M	M	0.34	M	M	M	M	M	M
6/22/87 *	30.6	18.3	0.00	6.60	6.93	M	M	682	732	32.8	24.4	M	M	0.54	M	M	M	M	M	M
6/23/87 *	31.7	19.4	0.25	7.87	5.34	M	M	698	747	31.1	25.0	M	M	1.01	M	M	M	M	M	M
6/24/87 *	29.4	16.7	0.00	7.87	7.09	M	M	711	760	32.2	23.9	M	M	0.56	M	M	M	M	M	M
6/25/87 *	27.2	16.7	5.59	10.67	7.19	M	M	723	772	29.4	23.9	M	M	1.43	M	M	M	M	M	M
6/26/87 *	25.6	12.8	0.00	9.91	7.24	M	M	732	781	27.2	20.6	M	M	3.39	M	M	M	M	M	M
6/27/87 *	27.8	10.6	0.00	9.65	7.97	M	M	741	790	28.9	18.9	M	M	1.84	M	M	M	M	M	M
6/28/87 *	30.6	16.1	0.00	7.62	6.62	M	M	754	803	30.6	22.2	M	M	0.84	M	M	M	M	M	M
6/29/87 *	28.9	16.1	23.37	7.62	6.10	M	M	767	816	25.6	20.6	M	M	0.89	M	M	M	M	M	M
6/30/87 *	25.6	15.0	0.00	6.86	8.51	M	M	777	826	30.6	18.3	M	M	0.47	M	M	M	M	M	M
MONTHLY	MEAN 30.2	MEAN 16.3	TOTAL 50.30	TOTAL 278.37	MEAN 6.97	MN. M	MN. M	TOTL 398	TOT 377	MEAN 30.0	MEAN 21.9	MEAN M	MEAN M	MEAN 1.42	MEAN M	MN. M	MN. M	MN. M	MEAN M	MEAN M
7/ 1/87 *	27.2	13.3	0.00	9.40	8.22	M	M	787	836	31.1	20.6	M	M	0.95	M	M	M	M	M	M
7/ 2/87 *	27.8	20.0	0.00	11.94	7.60	M	M	801	850	31.7	24.4	M	M	2.44	M	M	M	M	M	M
7/ 3/87 *	27.2	14.4	0.00	8.13	8.37	M	M	812	861	32.2	22.8	M	M	1.64	M	M	M	M	M	M
7/ 4/87 *	27.8	16.7	0.00	10.16	8.59	M	M	824	873	32.8	23.9	M	M	1.30	M	M	M	M	M	M
7/ 5/87 *	28.3	18.9	36.58	10.16	4.95	M	M	838	887	30.0	23.9	M	M	2.20	M	M	M	M	M	M
7/ 6/87 *	29.4	18.3	6.35	4.57	5.34	M	M	852	901	28.9	22.2	M	M	0.37	M	M	M	M	M	M
7/ 7/87 *	30.0	21.1	0.00	5.59	5.50	M	M	867	916	30.0	23.9	M	M	0.45	M	M	M	M	M	M
7/ 8/87 *	30.0	18.3	0.00	7.37	7.23	M	M	882	931	32.2	23.3	M	M	0.60	M	M	M	M	M	M
7/ 9/87 *	30.6	20.0	7.62	8.13	7.49	M	M	897	946	31.1	23.3	M	M	0.91	M	M	M	M	M	M
7/10/87 *	30.6	18.3	10.41	3.81	6.90	M	M	911	960	30.0	23.9	M	M	1.02	M	M	M	M	M	M
7/11/87 *	30.6	20.0	0.25	6.35	4.93	M	M	927	975	30.0	23.9	M	M	1.30	M	M	M	M	M	M
7/12/87 *	28.9	18.9	3.56	3.56	3.66	M	M	941	989	25.6	21.1	M	M	1.23	M	M	M	M	M	M
7/13/87 *	22.8	13.9	0.00	7.11	6.48	M	M	949	997	27.8	19.4	M	M	2.16	M	M	M	M	M	M
7/14/87 *	22.2	11.1	0.00	5.33	6.24	M	M	956	1004	26.7	19.4	M	M	0.56	M	M	M	M	M	M
7/15/87 *	25.6	11.7	0.00	6.35	8.00	M	M	964	1012	31.1	20.0	M	M	0.60	M	M	M	M	M	M
7/16/87 *	29.4	15.6	0.00	9.40	8.06	M	M	977	1025	31.1	22.2	M	M	3.13	M	M	M	M	M	M
7/17/87 *	32.8	22.8	0.00	10.41	7.90	M	M	994	1041	33.9	25.0	M	M	3.28	M	M	M	M	M	M
7/18/87 *	33.3	22.8	0.00	7.62	3.84	M	M	1012	1057	30.0	26.7	M	M	2.61	M	M	M	M	M	M
7/19/87 *	32.2	20.0	4.83	7.87	6.95	M	M	1029	1072	32.8	24.4	M	M	1.92	M	M	M	M	M	M
7/20/87 *	32.8	22.2	0.00	6.86	6.62	M	M	1046	1089	33.9	26.7	M	M	1.02	M	M	M	M	M	M
7/21/87 *	31.7	18.9	35.56	4.06	7.50	M	M	1061	1103	31.1	23.9	M	M	1.32	M	M	M	M	M	M
7/22/87 *	32.2	21.7	0.00	8.64	7.16	M	M	1078	1119	32.8	24.4	M	M	2.22	M	M	M	M	M	M
7/23/87 *	32.2	23.9	0.00	8.13	5.84	M	M	1096	1136	32.2	25.6	M	M	2.37	M	M	M	M	M	M
7/24/87 *	30.6	18.9	167.39	2.03	5.13	M	M	1111	1150	29.4	23.9	M	M	1.38	M	M	M	M	M	M
7/25/87 *	30.6	18.3	0.00	5.33	6.83	M	M	1126	1164	31.7	22.8	M	M	1.30	M	M	M	M	M	M
7/26/87 *	30.6	20.0	32.26	6.35	5.00	M	M	1141	1179	28.9	23.9	M	M	1.02	M	M	M	M	M	M
7/27/87 *	30.6	20.0	0.00	6.86	6.99	M	M	1156	1194	31.1	23.3	M	M	1.38	M	M	M	M	M	M
7/28/87 *	29.4	20.0	0.00	7.87	5.52	M	M	1171	1209	31.1	23.9	M	M	1.97	M	M	M	M	M	M
7/29/87 *	32.2	21.7	0.76	3.81	5.59	M	M	1188	1225	33.9	25.0	M	M	0.28	M	M	M	M	M	M
7/30/87 *	33.3	22.2	0.00	7.11	6.81	M	M	1206	1241	35.6	26.7	M	M	0.52	M	M	M	M	M	M
7/31/87 *	34.4	22.8	0.00	6.86	6.26	M	M	1224	1257	35.6	27.8	M	M	1.12	M	M	M	M	M	M
MONTHLY	MEAN 29.9	MEAN 18.9	TOTAL 305.57	TOTAL 217.17	MEAN 6.50	MN. M	MN. M	TOTL 447	TOT 431	MEAN 31.2	MEAN 23.6	MEAN M	MEAN M	MEAN 1.44	MEAN M	MN. M	MN. M	MN. M	MEAN M	MEAN M

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DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
8/ 1/87	* 34.4	26.1	0.00	8.38	5.10	M	M	1244	1276	34.4	28.3	M	M	1.29	M	M	M	M	M	M
8/ 2/87	* 33.9	22.8	0.00	7.11	7.17	M	M	1263	1292	37.2	26.7	M	M	1.06	M	M	M	M	M	M
8/ 3/87	* 33.9	18.9	3.30	7.62	4.19	M	M	1279	1306	31.7	25.0	M	M	0.56	M	M	M	M	M	M
8/ 4/87	* 27.8	15.6	0.00	6.60	4.16	M	M	1291	1318	26.7	21.7	M	M	1.40	M	M	M	M	M	M
8/ 5/87	* 25.6	12.8	0.00	4.83	6.78	M	M	1300	1327	29.4	20.0	M	M	0.75	M	M	M	M	M	M
8/ 6/87	* 28.3	18.3	0.00	7.87	5.20	M	M	1313	1341	29.4	22.8	M	M	2.24	M	M	M	M	M	M
8/ 7/87	* 28.3	15.0	0.00	5.59	5.77	M	M	1325	1352	29.4	21.7	M	M	0.47	M	M	M	M	M	M
8/ 8/87	* 25.6	17.2	1.02	2.03	2.28	M	M	1336	1364	25.0	22.2	M	M	0.73	M	M	M	M	M	M
8/ 9/87	* 27.8	15.6	49.28	5.59	6.57	M	M	1348	1375	27.2	20.0	M	M	1.62	M	M	M	M	M	M
8/10/87	* 28.3	15.6	0.00	6.35	7.45	M	M	1360	1387	30.0	20.0	M	M	0.82	M	M	M	M	M	M
8/11/87	* 28.3	18.3	0.00	7.87	6.53	M	M	1373	1401	30.0	22.2	M	M	2.37	M	M	M	M	M	M
8/12/87	* 28.3	20.0	3.56	5.08	2.74	M	M	1387	1415	26.1	22.2	M	M	2.44	M	M	M	M	M	M
8/13/87	* 26.1	15.6	0.25	3.30	3.87	M	M	1398	1426	25.6	20.0	M	M	0.73	M	M	M	M	M	M
8/14/87	* 24.4	17.2	0.00	1.78	1.59	M	M	1409	1436	22.8	20.6	M	M	1.29	M	M	M	M	M	M
8/15/87	* 31.1	20.6	0.00	2.79	5.37	M	M	1425	1452	30.6	21.7	M	M	1.14	M	M	M	M	M	M
8/16/87	* 30.6	18.3	20.83	8.13	4.88	M	M	1439	1466	26.7	21.7	M	M	1.96	M	M	M	M	M	M
8/17/87	* 31.7	18.3	0.00	8.64	6.73	M	M	1454	1480	24.4	18.9	M	M	1.94	M	M	M	M	M	M
8/18/87	* 25.6	14.4	0.00	8.38	6.86	M	M	1464	1490	26.7	18.9	M	M	1.53	M	M	M	M	M	M
8/19/87	* 24.4	16.1	0.00	7.11	6.59	M	M	1475	1500	27.2	18.3	M	M	0.99	M	M	M	M	M	M
8/20/87	* 27.8	14.4	0.00	6.10	6.74	M	M	1486	1511	29.4	19.4	M	M	0.82	M	M	M	M	M	M
8/21/87	* 26.7	18.9	0.25	4.57	2.35	M	M	1499	1524	25.0	22.2	M	M	1.23	M	M	M	M	M	M
8/22/87	* 25.0	12.2	0.00	6.60	5.87	M	M	1507	1533	25.6	18.3	M	M	2.14	M	M	M	M	M	M
8/23/87	* 21.1	7.8	0.00	6.60	7.00	M	M	1512	1538	26.1	16.7	M	M	1.29	M	M	M	M	M	M
8/24/87	* 23.3	8.3	0.00	5.33	6.93	M	M	1517	1545	27.2	16.7	M	M	0.63	M	M	M	M	M	M
8/25/87	* 23.9	11.1	0.00	5.33	3.27	M	M	1525	1552	22.8	18.9	M	M	0.76	M	M	M	M	M	M
8/26/87	* 18.3	13.9	0.00	3.05	1.37	M	M	1531	1559	20.0	17.8	M	M	1.01	M	M	M	M	M	M
8/27/87	* 19.4	13.9	0.00	1.52	3.00	M	M	1538	1565	22.8	17.2	M	M	0.80	M	M	M	M	M	M
8/28/87	* 22.8	13.9	4.83	4.83	3.14	M	M	1546	1574	22.2	17.2	M	M	0.06	M	M	M	M	M	M
8/29/87	* 26.1	12.2	0.00	4.57	5.70	M	M	1555	1583	24.4	15.6	M	M	1.10	M	M	M	M	M	M
8/30/87	* 26.7	12.2	1.52	8.13	5.26	M	M	1565	1592	23.3	17.2	M	M	2.74	M	M	M	M	M	M
8/31/87	* 21.7	7.8	0.00	6.60	6.86	M	M	1569	1598	23.9	14.4	M	M	1.53	M	M	M	M	M	M

MONTHLY	MEAN 26.7	MEAN 15.6	TOTAL 84.84	TOTAL 178.28	MEAN 5.08	MN. M	MN. M	TOTL 345	TOT 341	MEAN 26.9	MEAN 20.1	MEAN M	MEAN M	MEAN 1.27	MEAN M	MN. M	MN. M	MN M	MEAN M	MEAN M
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9/ 1/87	* 26.1	10.6	0.00	6.60	6.21	M	M	1578	1606	25.0	15.6	M	M	1.36	M	M	M	M	M	M
9/ 2/87	* 24.4	9.4	0.00	5.08	6.37	M	M	1585	1614	26.7	16.1	M	M	0.52	M	M	M	M	M	M
9/ 3/87	* 24.4	12.8	0.00	7.37	5.77	M	M	1593	1622	25.0	17.2	M	M	1.81	M	M	M	M	M	M
9/ 4/87	* 29.4	15.6	0.00	7.11	5.76	M	M	1606	1635	27.2	18.3	M	M	2.85	M	M	M	M	M	M
9/ 5/87	* 30.0	20.6	0.25	6.35	4.05	M	M	1621	1650	27.8	21.7	M	M	1.30	M	M	M	M	M	M
9/ 6/87	* 26.7	13.9	0.00	4.06	5.17	M	M	1631	1660	27.2	19.4	M	M	1.49	M	M	M	M	M	M
9/ 7/87	* 25.6	11.1	0.00	5.59	5.77	M	M	1640	1669	27.8	18.3	M	M	0.22	M	M	M	M	M	M
9/ 8/87	* 25.6	11.7	0.00	7.11	6.16	M	M	1648	1677	27.2	18.9	M	M	1.62	M	M	M	M	M	M
9/ 9/87	* 23.9	11.1	0.00	5.84	4.85	M	M	1656	1685	25.0	17.2	M	M	0.84	M	M	M	M	M	M
9/10/87	* 21.7	11.7	4.83	2.79	2.27	M	M	1662	1691	21.1	17.2	M	M	1.17	M	M	M	M	M	M
9/11/87	* 21.7	10.0	0.25	3.56	5.28	M	M	1668	1697	21.7	15.6	M	M	0.82	M	M	M	M	M	M
9/12/87	* 20.0	11.1	8.89	4.06	3.07	M	M	1674	1703	19.4	15.6	M	M	0.97	M	M	M	M	M	M
9/13/87	* 19.4	7.2	6.86	3.05	5.27	M	M	1677	1707	20.6	12.2	M	M	0.32	M	M	M	M	M	M
9/14/87	* 21.1	7.8	0.25	4.06	4.06	M	M	1682	1713	18.9	12.2	M	M	0.54	M	M	M	M	M	M
9/15/87	* 25.0	10.0	0.00	2.54	5.21	M	M	1689	1721	23.3	13.3	M	M	0.35	M	M	M	M	M	M
9/16/87	* 24.4	16.7	1.27	2.29	1.36	M	M	1700	1731	19.4	18.3	M	M	1.10	M	M	M	M	M	M
9/17/87	* 19.4	14.4	3.81	1.78	1.14	M	M	1707	1738	18.9	16.1	M	M	1.84	M	M	M	M	M	M
9/18/87	* 18.9	12.2	3.81	1.78	3.16	M	M	1712	1744	18.9	15.0	M	M	1.34	M	M	M	M	M	M
9/19/87	* 18.9	7.8	2.79	2.54	2.12	M	M	1716	1748	16.1	12.2	M	M	0.75	M	M	M	M	M	M
9/20/87	* 17.8	9.4	5.59	1.02	3.42	M	M	1719	1752	17.8	12.8	M	M	2.31	M	M	M	M	M	M
9/21/87	* 18.9	8.9	2.54	3.30	3.06	M	M	1723	1756	17.2	11.7	M	M	1.32	M	M	M	M	M	M
9/22/87	* 20.6	7.8	0.00	3.05	4.40	M	M	1727	1762	18.3	11.7	M	M	0.71	M	M	M	M	M	M
9/23/87	* 25.6	10.0	0.00	4.57	5.44	M	M	1735	1769	21.1	12.2	M	M	1.02	M	M	M	M	M	M
9/24/87	* 25.6	8.3	0.00	4.57	4.57	M	M	1742	1777	20.6	12.8	M	M	0.41	M	M	M	M	M	M
9/25/87	* 23.3	5.6	0.00	4.06	5.01	M	M	1746	1784	21.1	11.7	M	M	0.48	M	M	M	M	M	M
9/26/87	* 28.3	11.7	0.00	4.57	4.88	M	M	1756	1794	23.3	13.9	M	M	0.88	M	M	M	M	M	M
9/27/87	* 30.6	15.6	0.00	7.37	4.83	M	M	1769	1807	25.0	16.7	M	M	1.66	M	M	M	M	M	M
9/28/87	* 29.4	14.4	0.00	7.11	3.98	M	M	1781	1819	22.8	17.2	M	M	2.05	M	M	M	M	M	M
9/29/87	* 22.2	11.7	0.25	4.83	4.86	M	M	1788	1826	22.2	15.6	M	M	2.96	M	M	M	M	M	M
9/30/87	* 22.2	9.4	0.00	8.13	5.06	M	M	1794	1832	20.6	14.4	M	M	1.94	M	M	M	M	M	M

MONTHLY	MEAN 23.7	MEAN 11.3	TOTAL 41.39	TOTAL 136.14	MEAN 4.42	MN. M	MN. M	TOTL 225	TOT 234	MEAN 22.2	MEAN 15.4	MEAN M	MEAN M	MEAN 1.23	MEAN M	MN. M	MN. M	MN M	MEAN M	MEAN M
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DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
10/ 1/87 *	21.7	10.0	0.00	6.10	3.12	M	M	1800	1837	18.9	13.3	M	M	1.86	M	M	M	M	M	M
10/ 2/87 *	20.6	3.3	0.00	7.37	4.67	M	M	1802	1843	16.7	11.1	M	M	4.84	M	M	M	M	M	M
10/ 3/87 *	17.2	-1.1	0.00	4.57	4.97	M	M	1802	1846	16.7	8.3	M	M	0.75	M	M	M	M	M	M
10/ 4/87 *	26.1	7.8	0.00	5.08	4.62	M	M	1809	1854	19.4	10.6	M	M	1.55	M	M	M	M	M	M
10/ 5/87 *	25.6	8.9	0.51	4.83	1.05	M	M	1816	1862	15.6	11.7	M	M	3.15	M	M	M	M	M	M
10/ 6/87 *	11.1	5.0	0.00	3.56	1.94	M	M	1816	1863	12.2	9.4	M	M	4.23	M	M	M	M	M	M
10/ 7/87 *	11.1	-0.6	0.00	3.30	0.53	M	M	1816	1863	13.9	6.7	M	M	1.97	M	M	M	M	M	M
10/ 8/87 *	16.1	1.1	0.00	4.32	3.31	M	M	1816	1866	12.8	7.2	M	M	1.38	M	M	M	M	M	M
10/ 9/87 *	17.2	1.1	0.00	3.56	1.42	M	M	1816	1870	10.6	7.2	M	M	3.46	M	M	M	M	M	M
10/10/87 *	3.9	0.0	0.00	1.52	1.66	M	M	1816	1870	8.3	5.0	M	M	1.23	M	M	M	M	M	M
10/11/87 *	12.2	-3.3	0.00	M	4.22	M	M	1816	1871	10.0	3.3	M	M	1.23	M	M	M	M	M	M
10/12/87 *	16.1	0.0	0.00	M	4.47	M	M	1816	1874	13.3	5.0	M	M	0.60	M	M	M	M	M	M
10/13/87 *	22.8	2.8	0.00	M	3.35	M	M	1819	1881	13.9	6.1	M	M	0.93	M	M	M	M	M	M
10/14/87 *	21.7	7.2	0.00	M	1.71	M	M	1823	1886	12.8	8.9	M	M	0.47	M	M	M	M	M	M
10/15/87 *	13.3	6.7	18.80	M	0.57	M	M	1823	1888	10.6	8.9	M	M	0.76	M	M	M	M	M	M
10/16/87 *	13.3	8.3	1.78	M	1.19	M	M	1824	1890	11.7	9.4	M	M	0.97	M	M	M	M	M	M
10/17/87 *	13.3	4.4	1.02	M	2.73	M	M	1824	1891	12.2	8.3	M	M	2.03	M	M	M	M	M	M
10/18/87 *	13.3	4.4	0.00	M	2.78	M	M	1824	1893	10.0	6.1	M	M	1.49	M	M	M	M	M	M
10/19/87 *	11.7	-1.7	0.00	M	3.50	M	M	1824	1894	10.0	3.9	M	M	0.65	M	M	M	M	M	M
10/20/87 *	8.9	-0.6	0.76	M	1.88	M	M	1824	1894	6.7	4.4	M	M	2.22	M	M	M	M	M	M
10/21/87 *	5.0	-2.2	0.00	M	2.26	M	M	1824	1894	6.7	2.8	M	M	1.58	M	M	M	M	M	M
10/22/87 *	3.9	0.0	0.00	M	1.29	M	M	1824	1894	6.1	3.9	M	M	1.62	M	M	M	M	M	M
10/23/87 *	4.4	0.0	0.00	M	0.71	M	M	1824	1894	5.0	3.3	M	M	0.19	M	M	M	M	M	M
10/24/87 *	5.0	-1.7	2.54	M	1.40	M	M	1824	1894	5.6	2.8	M	M	0.52	M	M	M	M	M	M
10/25/87 *	8.9	-1.7	0.00	M	2.26	M	M	1824	1894	6.1	2.8	M	M	0.84	M	M	M	M	M	M
10/26/87 *	11.1	1.7	0.00	M	1.30	M	M	1824	1894	6.7	3.3	M	M	1.79	M	M	M	M	M	M
10/27/87 *	10.6	0.0	0.00	M	2.27	M	M	1824	1895	5.6	2.8	M	M	2.52	M	M	M	M	M	M
10/28/87 *	7.8	-0.6	0.00	M	1.88	M	M	1824	1895	6.7	2.8	M	M	0.52	M	M	M	M	M	M
10/29/87 *	14.4	2.2	0.00	M	3.15	M	M	1824	1897	8.3	3.3	M	M	1.21	M	M	M	M	M	M
10/30/87 *	14.4	4.4	0.00	M	3.35	M	M	1824	1899	10.0	5.0	M	M	0.75	M	M	M	M	M	M
10/31/87 *	12.8	0.6	0.00	M	2.99	M	M	1824	1901	9.4	4.4	M	M	1.51	M	M	M	M	M	M
MONTHLY	MEAN 13.4	MEAN 2.1	TOTAL 25.41	TOTAL M	MEAN 2.47	MN. M	MN. M	TOTL 30	TOT 69	MEAN 10.7	MEAN 6.2	MEAN M	MEAN M	MEAN 1.57	MEAN M	MN. M	MN. M	MN M	MEAN M	MEAN M

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DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
4/ 1/87	3.7	-5.3	0.00		M	4.55	77	25	0	0	-0.0	-0.1	-0.4	5.89	5.19	349	28	0	0.29	0.31	
4/ 2/87	4.3	-8.2	0.00		M	6.14	69	21	0	0	0.4	-0.1	-0.0	3.71	3.37	328	24	0	0.21	0.32	
4/ 3/87	8.4	-9.3	0.25		M	6.19	80	21	0	0	2.4	-0.1	2.4	1.71	1.08	214	49	1	0.26	0.38	
4/ 4/87	15.4	-5.0	0.00		M	6.05	77	17	0	3	4.7	-0.1	4.9	1.65	1.25	205	40	0	0.37	0.59	
4/ 5/87	20.1	-4.8	0.00		M	6.16	80	15	0	8	6.2	0.3	6.5	1.53	1.16	99	40	0	0.39	0.83	
4/ 6/87	22.1	-2.4	0.00		M	6.15	73	15	0	14	7.0	0.8	7.4	1.64	1.20	44	42	0	0.39	1.08	
4/ 7/87	23.6	-0.6	0.00		M	6.02	71	14	1	21	7.9	1.6	8.2	1.2	1.92	1.51	338	37	0	0.43	1.16
4/ 8/87	24.4	-0.3	0.00		M	6.27	78	14	4	28	9.0	2.4	9.3	2.0	2.32	1.87	236	36	0	0.49	1.19
4/ 9/87 *	25.0	2.2	0.00		M				7	35											
4/10/87 *	13.3	1.1	0.00		M				7	37											
4/11/87 *	15.6	1.7	0.00		M				7	40											
4/12/87 *	20.0	0.6	0.00		M				7	45											
4/13/87 *	15.6	5.6	0.00		M				8	48											
4/14/87 *	17.8	7.2	1.02		M				10	51											
4/15/87 *	16.1	3.9	0.00		M				10	54											
4/16/87 *	23.3	0.6	0.00	4.57					12	61											
4/17/87 *	26.4	2.2	0.00	9.65					17	69											
4/18/87	31.4	6.9	0.00	9.91	6.60	89	17	26	79	18.9	7.0	12.1	7.5	5.26	1.90	4	65	17	0.91	1.81	
4/19/87	29.6	15.3	0.00	12.27	5.38	87	39	38	92	19.2	11.7	13.3	10.4	6.62	1.52	6	71	2	1.38	1.42	
4/20/87	19.7	4.9	1.52	2.79	2.72	92	54	41	97	16.1	9.5	13.1	10.5	5.07	0.94	36	73	25	1.06	0.30	
4/21/87	15.2	0.5	0.00	8.64	6.79	87	27	41		16.9	6.3	11.9	8.3	3.31		187		0	0.53	0.55	
4/22/87	19.8	-5.0	0.00	3.30	6.77	90	18	41	104	18.7	5.0	12.4	7.7	0.97		193		1	0.49	0.65	
4/23/87	17.8	2.5	0.00	2.03	6.05	77	19	41	108	17.0	8.0	12.1	9.1	2.97		188		0	0.44	0.94	
4/24/87	15.9	7.6	0.00	9.65	2.49	60	25	42	111	13.1	9.8	11.3	9.8	4.37	1.26	26	68	0	0.51	0.85	
4/25/87	24.6	7.1	0.00	6.10	6.83	73	31	48	118	20.9	8.9	14.0	9.3	2.29	1.74	124	40	0	0.87	0.99	
4/26/87	26.8	10.6	0.00	5.84	5.01	68	19	57	127	20.1	12.0	14.3	11.5	2.81	0.77	113	69	10	0.95	1.11	
4/27/87	17.2	2.9	0.51	6.10	7.27	71	22	57	131	18.0	9.7	13.4	10.8	4.18	3.76	180	26	2	0.45	0.86	
4/28/87	26.4	-0.4	0.00	7.87	6.74	91	22	60	139	18.9	8.1	13.8	9.9	3.64		189		19	0.69	1.22	
4/29/87	19.0	4.3	0.00	8.64	7.43	57	15	62	143	19.2	11.0	14.2	11.4	3.46	0.85	256	70	0	0.43	1.13	
4/30/87	18.1	0.1	0.00	4.83	4.56	84	28	62	147	16.9	8.9	13.1	10.5	2.95		188		15	0.63	0.59	
MONTHLY	MEAN 19.2	MEAN 1.5	TOTAL 3.30	TOTAL M	MEAN M	MN. M	MN. M	TOTL 62	TOT 147	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MN. M	MN. M	MN M	MEAN M	MEAN M	
5/ 1/87 *	16.7	-0.6	0.51	4.83		M	M	M	62	151											
5/ 2/87 *	21.1	2.8	1.02	5.33		M	M	M	64	156											
5/ 3/87	20.1	4.2	0.00	8.38	7.46	53	19	66	161	19.5	9.5	14.1	10.6	3.53	8.86	185		0	0.48	0.98	
5/ 4/87	20.7	0.5	0.00	4.57	6.90	77	18	66	167	19.6	8.7	14.3	10.5	1.33		187		0	0.53	0.95	
5/ 5/87	24.5	3.0	0.00	9.14	6.50	92	25	70	174	19.7	10.0	14.7	11.3	3.28		181		18	0.78	1.09	
5/ 6/87	22.5	10.2	0.00	7.87	7.10	82	20	76	180	20.9	12.0	15.5	12.3	2.54	0.86	108	66	0	0.77	1.10	
5/ 7/87	24.1	7.0	0.00	8.13	6.31	78	19	82	187	20.2	12.3	15.6	12.8	2.09	1.18	113	53	1	0.72	1.20	
5/ 8/87	29.9	2.4	0.00	7.37	7.35	94	17	88	197	21.9	10.9	16.4	12.4	3.35	2.44	175	42	23	0.77	1.60	
5/ 9/87	28.8	12.3	0.00	11.68	6.61	70	17	99	208	23.2	14.4	17.5	14.2	2.37	0.11	17	79	0	0.86	1.71	
5/10/87	33.5	10.8	0.00	8.89	6.32	69	16	111	218	23.7	14.1	17.9	14.5	3.10	0.92	343	68	4	1.09	1.56	
5/11/87	20.7	4.3	0.00	8.89	7.70	84	28	113	223	22.2	15.1	17.5	15.2	2.45	0.77	294	67	2	0.75	0.93	
5/12/87	25.5	1.9	0.00	9.14	6.32	98	21	117	231	20.6	12.0	16.5	13.8	4.68		183		27	0.74	1.15	
5/13/87	23.1	10.7	0.00	8.64	2.80	95	33	124	238	18.7	14.0	15.9	14.5	5.08	2.89	245	53	29	1.41	0.63	
5/14/87	22.7	8.0	11.43	6.35	7.70	92	23	129	244	23.8	11.8	17.7	13.3	3.46	0.16	279	79	16	0.93	0.95	
5/15/87	29.8	6.2	0.00	6.10	6.26	96	29	137	254	25.2	11.7	18.5	13.5	4.57	1.31	73	68	39	1.17	1.30	
5/16/87	33.3	17.0	0.00	12.95	6.08	82	32	152	268	27.5	17.0	20.7	16.4	5.28	0.56	56	77	3	1.61	1.69	
5/17/87	17.1	9.4	0.00	8.64	1.91	93	77	156	271	20.4	13.6	19.5	15.5	4.86	3.87	264	37	37	1.32	0.17	
5/18/87	9.5	4.3	9.14	3.05	1.06	98	92	156	271	13.6	9.2	15.5	11.5	5.50	5.09	321	22	66	0.90	0.06	
5/19/87	15.6	4.7	0.25	2.20	2.71	98	78	156	274	16.7	9.0	13.5	10.7	1.85	0.39	194	72	36	1.13	0.14	
5/20/87	17.7	11.2	0.00	1.78	1.66	95	91	160	279	16.1	12.4	13.9	12.4	3.56	0.91	100	70	44	1.49	0.12	
5/21/87	15.6	5.5	40.89	2.79	1.54	94	91	161	281	16.2	10.8			4.00		56		88			
5/22/87	11.3	4.2	19.56	3.56	4.03	94	73	161	282	15.9	9.9	13.1	10.5	3.34	2.61	55	38	15	0.88	0.19	
5/23/87	15.9	5.1	0.25	3.56	5.77	93	69	161	285	19.8	9.5	15.0	10.9	1.47	1.08	211	42	17	1.02	0.23	
5/24/87	21.0	6.4	0.00	3.30	4.47	95	53	165	291	20.4	10.4	15.6	11.9	1.94	1.68	144	29	32	1.18	0.46	
5/25/87	12.6	11.1	13.97	2.03	1.23	94	85	167	292	14.7	13.0	14.8	12.9	3.52	3.37	104	17	86	1.28	0.11	
5/26/87	22.9	12.1	8.89	2.03	3.87	94	71	174	300	20.8	12.8	16.1	12.6	2.25	1.47	149	48	42	1.66	0.27	
5/27/87	25.3	16.5	0.00	2.54	5.40	91	72	185	311	22.5	15.3	17.9	14.7	4.13	3.90	179	19	11	2.05	0.47	
5/28/87	27.0	17.4	0.00	5.59	6.55	91	65	197	323	27.8	16.3	20.7	15.9	4.62	4.35	185	20	1	2.07	0.54	
5/29/87	25.1	15.5	0.00	7.11	3.90	92	73	208	333	24.8	17.2	19.8	17.2	2.21	1.99	189	26	42	2.00	0.34	
5/30/87	26.2	14.4	0.00	3.56	5.13	92	55	218	344	27.6	16.5	20.8	16.9	1.43	0.83	237	53	49	1.82	0.46	
5/31/87	28.7	12.2	0.25	3.56	8.13	93	37	229	354	31.4	15.9	23.2	17.0	1.78	1.36	181	39	31	1.67	1.06	
MONTHLY	MEAN 22.2	MEAN 8.1	TOTAL 106.16	TOTAL 183.56	MEAN M	MN. M	MN. M	TOTL 167	TOT 207	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MN. M	MN. M	MN M	MEAN M	MEAN M	

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DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
6/ 1/87	24.6	15.0	0.00	8.64	4.66	86	45	238	364	25.4	18.6	21.4	19.1	4.54	2.42	241	55	1	1.74	0.65
6/ 2/87	23.1	10.7	0.00	6.35	5.93	82	34	245	371	24.3	15.2	19.8	17.1	4.20	3.90	253	22	4	1.04	0.81
6/ 3/87	16.6	7.0	0.00	7.37	7.87	93	42	247	374	23.9	14.6	19.4	16.2	3.67	3.42	307	21	20	0.86	0.57
6/ 4/87	27.5	6.5	0.00	6.60	7.77	85	27	254	383	26.1	13.4	20.2	15.5	0.45	0.26	271	52	8	1.12	1.11
6/ 5/87	26.4	8.3	0.00	9.91	8.06	93	37	261	391	27.3	14.7	21.2	16.3	0.45	0.36	118	35	17	1.21	1.01
6/ 6/87	32.2	13.8	0.00	5.59	7.54	89	40	274	403	29.2	17.4	22.6	17.9	0.45	0.22	175	58	6	1.84	1.26
6/ 7/87	31.6	16.0	0.00	11.18	5.34	91	33	288	416	26.8	19.7	22.1	19.6	0.45	0.21	342	58	29	1.81	1.06
6/ 8/87	21.2	6.5	0.00	6.86	5.40	93	64	292	421	24.2	17.5	20.8	18.7	0.45	0.39	343	30	22	1.35	0.40
6/ 9/87	23.1	3.6	0.00	5.33	8.47	95	31	295	428	27.6	14.1	21.5	16.6	0.45	0.16	96	65	32	0.92	0.88
6/10/87	15.4	10.5	0.00	4.57	1.70	93	67	298	431	19.6	15.5	20.2	16.7	M	M	144	17	40	1.30	0.23
6/11/87	30.2	13.2	12.45	4.32	7.87	95	27	310	442	27.0	15.4	21.3	16.2	3.93	2.93	274	41	35	1.72	1.04
6/12/87	30.7	14.1	0.00	7.11	8.08	87	30	322	454	31.0	16.2	23.6	17.6	3.26	3.01	290	23	24	1.59	1.35
6/13/87	35.3	14.6	0.00	13.46	8.22	89	17	337	467	33.2	18.3	25.2	19.3	2.98	2.33	291	38	27	1.57	1.98
6/14/87	31.1	15.4	0.00	10.67	8.41	88	17	351	479	32.7	19.8	25.6	20.7	3.17	2.57	356	35	15	1.31	1.74
6/15/87	31.6	10.7	0.00	9.91	8.42	91	21	362	490	33.0	18.4	25.8	20.3	2.02	1.36	140	46	20	1.32	1.61
6/16/87	32.3	13.2	0.00	11.43	8.33	90	26	374	501	32.6	19.7	25.8	21.1	3.19	2.93	149	23	26	1.49	1.69
6/17/87	30.5	19.2	5.08	12.19	5.77	90	53	389	516	32.3	21.9	25.6	22.1	3.56	2.78	195	38	34	2.27	0.67
6/18/87	30.9	17.0	0.25	5.59	7.82	92	32	403	530	34.3	20.6	26.8	21.5	2.36	1.87	345	37	32	1.79	1.29
6/19/87	31.0	13.3	0.00	9.91	7.98	90	38	415	541	34.0	20.0	26.8	21.7	2.76	2.24	77	35	19	1.57	1.36
6/20/87	27.0	15.9	0.00	9.65	5.64	89	60	427	553	29.7	21.6	25.3	22.5	2.76	2.53	117	23	3	1.95	0.70
6/21/87	31.3	15.6	0.00	4.32	6.40	91	46	440	565	31.6	21.0	26.0	21.9	1.92	1.44	133	41	34	2.06	0.86
6/22/87	33.1	17.4	0.00	4.32	7.08	91	42	455	579	33.2	22.1	26.7	22.6	2.47	2.10	159	31	30	2.20	1.12
6/23/87	27.8	15.2	1.78	9.40	6.93	90	48	467	591	30.9	22.9	26.0	23.2	3.79	2.19	277	53	28	2.01	0.78
6/24/87	28.7	12.6	0.00	8.38	5.61	92	33	478	601	28.9	19.9	24.7	21.7	2.03	0.89	284	61	50	1.59	0.86
6/25/87	23.2	11.9	0.51	5.59	7.35	92	39	485	609	27.3	18.9	23.5	20.8	4.47	4.20	309	20	48	1.25	0.78
6/26/87	20.3	8.5	0.51	9.65	6.45	91	40	490	614	24.5	17.5	22.0	19.7	5.23	5.00	316	17	37	1.10	0.62
6/27/87	27.0	7.7	0.00	7.62	7.89	92	28	497	622	28.5	16.3	23.0	18.5	2.53	2.08	307	34	37	1.17	1.07
6/28/87	27.5	13.6	0.00	0.76	4.51	91	39	507	633	26.2	19.3	21.9	20.1	1.61	0.77	8	58	38	1.68	0.61
6/29/87	24.5	10.8	5.59	10.67	5.90	91	36	515	641	26.3	17.4	21.9	18.8	3.35	3.07	328	24	32	1.33	0.72
6/30/87	25.1	7.6	0.00	7.11	8.38	93	25	521	648	30.7	14.9	23.7	17.8	1.96	1.52	316	38	44	1.06	1.03
MONTHLY	MEAN 27.4	MEAN 12.2	TOTAL 26.17	TOTAL 234.46	MEAN 6.86	MN. 90	MN. 37	TOTL 293	TOT 294	MEAN 28.8	MEAN 18.1	MEAN 23.3	MEAN 19.4	MEAN M	MEAN M	MN. 232	MN. 38	MN 26	MEAN 1.51	MEAN 0.99
7/ 1/87	26.3	9.6	0.00	8.13	3.44	92	45	529	656	23.9	17.2	21.9	19.2	3.43	3.13	184	24	62	1.52	0.54
7/ 2/87	24.1	13.1	5.84	1.27	6.58	93	56	538	665	25.7	16.4	21.3	18.0	4.36	3.84	305	28	35	1.62	0.54
7/ 3/87	28.1	10.9	0.00	9.91	8.48	91	33	547	674	31.9	15.5	24.2	17.7	2.31	1.21	28	56	38	1.34	0.99
7/ 4/87	27.6	10.8	0.00	7.62	7.69	91	41	557	684	30.9	17.9	24.3	19.6	2.98	2.71	142	24	30	1.53	0.98
7/ 5/87	24.7	17.0	6.86	7.87	3.17	90	72	568	695	24.8	20.4	23.0	20.6	2.41	0.72	104	68	54	1.95	0.38
7/ 6/87	30.7	15.9	2.79	2.29	6.63	95	51	581	707	30.3	18.7	24.4	19.6	1.00	0.18	120	73	51	2.05	0.74
7/ 7/87	30.7	15.0	0.25	5.08	6.11	88	44	594	720	32.0	21.2	25.4	21.2	2.43	1.46	283	51	36	1.99	0.94
7/ 8/87	30.2	11.4	0.00	7.87	7.63	90	33	604	731	33.2	18.8	26.1	20.7	1.80	1.24	41	45	29	1.50	1.34
7/ 9/87	31.4	16.3	0.00	8.38	7.17	88	33	618	744	33.1	21.6	26.6	22.2	2.30	1.39	144	51	10	1.70	1.39
7/10/87	30.6	17.9	2.03	8.38	7.24	89	49	633	758	34.1	21.9	27.2	22.7	2.96	2.25	234	40	18	2.22	0.86
7/11/87	28.4	17.9	23.11	8.38	5.04	89	65	646	771	28.8	21.7	25.6	22.4	2.43	1.63	310	46	48	2.14	0.49
7/12/87	19.6	12.9	1.78	8.38	4.08	89	69	652	777	22.7	17.9	23.4	20.2	4.92	4.74	314	16	32	1.58	0.34
7/13/87	22.5	9.6	0.00	2.29	7.43	91	41	658	783	26.8	15.4	22.5	18.2	2.91	2.53	336	29	32	1.20	0.64
7/14/87	24.1	7.6	0.00	9.14	6.94	91	43	664	790	29.3	16.0	23.3	18.5	1.73	0.78	168	60	40	1.27	0.67
7/15/87	27.1	11.4	0.00	5.59	7.52	90	43	673	800	30.0	18.0	24.4	19.6	2.85	2.48	178	29	29	1.52	0.90
7/16/87	32.7	17.0	0.00	1.02	7.40	87	41	688	813	30.9	20.2	25.2	20.9	6.86	6.54	181	18	0	2.02	1.26
7/17/87	33.1	22.8	0.00	6.29	4.94	86	56	706	830	31.1	23.0	25.8	22.5	4.26	4.00	193	20	4	2.63	0.95
7/18/87	28.3	20.0	0.00	4.83	2.62	88	71	720	844	26.9	22.5	24.9	23.1	3.82	3.41	144	27	43	2.46	0.48
7/19/87	28.6	18.9	22.10	4.83	7.04	88	57	734	858	29.4	21.7	24.9	21.8	3.96	3.16	267	36	45	2.24	0.62
7/20/87	27.7	16.1	9.40	7.37	3.87	90	71	746	869	26.8	19.2	23.4	20.5	2.53	0.27	122	77	51	2.11	0.44
7/21/87	31.3	17.6	9.65	6.86	7.28	88	57	760	883	32.0	19.9	25.8	20.9	2.65	2.27	158	31	23	2.41	0.81
7/22/87	32.9	22.4	0.00	5.08	6.67	86	56	778	899	33.2	22.8	27.3	22.9	5.30	5.01	190	19	0	2.68	1.01
7/23/87	28.2	20.0	1.27	4.45	3.01	88	70	792	914	28.7	22.9	25.9	23.3	2.85	1.55	246	55	26	2.42	0.55
7/24/87	28.1	16.3	0.51	3.05	6.85	88	49	804	926	33.1	20.7	26.6	22.0	2.21	1.81	355	34	13	1.86	0.84
7/25/87	31.0	15.6	0.00	6.35	5.61	88	57	817	939	32.8	21.0	26.6	22.3	1.55	0.61	127	63	39	2.10	0.71
7/26/87	28.4	18.4	13.46	6.35	6.59	88	65	831	952	30.4	21.6	26.0	22.6	2.70	2.40	118	27	29	2.27	0.64
7/27/87	28.4	20.3	0.00	6.60	6.40	86	67	845	966	32.8	22.1	27.0	22.7	3.47	3.31	124	17	3	2.29	0.74
7/28/87	32.5	20.1	0.00	6.86	4.88	87	68	861	981	32.1	22.9	27.1	23.5	2.30	1.77	138	39	22	2.64	0.64
7/29/87	33.3	20.0	0.00	1.52	6.91	90	51	878	996	36.2	23.2	29.1	23.8	1.94	1.73	83	27	33	2.46	1.04
7/30/87	32.9	18.3	0.00	7.87	7.13	87	60	894	1010	36.7	23.8	29.7	24.7	2.94	2.60	127	28	22	2.54	0.99
7/31/87	35.3	20.8	0.00	8.64	6.03	86	54	912	1026	35.1	25.0	29.2	25.4	3.78	3.36	145	27	0	2.76	0.95
MONTHLY	MEAN 29.0	MEAN 16.2	TOTAL 99.05	TOTAL 188.55	MEAN 6.08	MN. 89	MN. 54	TOTL 390	TOT 378	MEAN 30.5	MEAN 20.4	MEAN 25.4	MEAN 21.4	MEAN 3.03	MEAN 2.39	MN. 181	MN. 38	MN 29	MEAN 2.03	MEAN 0.79

S T A P L E S

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
8/ 1/87	30.7	21.7	0.00	7.87	4.39	86	67	928	1042	33.4	26.1	28.3	26.0	2.43	1.63	296	47 19	2.69	0.73	
8/ 2/87	35.6	18.2	0.00	5.08	6.72	88	37	945	1056	35.4	23.8	29.3	24.8	1.99	1.07	277	55 45	2.38	1.19	
8/ 3/87	26.0	15.3	13.72	10.67	5.55	87	45	955	1066	27.8	20.5	27.9	23.4	3.39	2.45	305	43 31	1.77	0.73	
8/ 4/87	24.1	12.1	0.00	5.08	5.96	88	47	964	1075	29.6	17.7	24.9	20.8	2.11	1.49	342	44 34	1.46	0.58	
8/ 5/87	25.2	11.4	0.00	6.60	5.97	89	58	972	1083	29.6	18.0	25.0	20.7	4.18	3.94	168	19 38	1.66	0.67	
8/ 6/87	24.8	13.6	0.00	7.11	5.45	88	55	981	1092	29.2	20.0	24.8	21.6	3.48	2.67	295	39 29	1.72	0.58	
8/ 7/87	28.2	10.1	0.00	5.59	5.21	89	37	990	1101	30.1	17.9	25.0	20.5	1.01	0.39	262	64 36	1.57	0.86	
8/ 8/87	27.4	14.4	0.00	4.57	3.78	87	49	1001	1112	28.6	20.3	24.4	21.6	1.59	0.71	215	60 32	1.77	0.62	
8/ 9/87	28.2	12.4	0.00	3.56	6.82	88	40	1011	1122	30.9	18.7	25.2	20.7	2.67	2.13	331	36 43	1.53	0.99	
8/10/87	28.4	10.4	0.00	8.38	6.67	88	46	1021	1132	30.7	18.8	25.4	20.9	3.32	2.93	152	28 34	1.65	0.93	
8/11/87	30.1	18.0	0.00	8.38	5.44	86	53	1035	1146	29.9	21.1	25.2	22.0	6.05	5.82	179	16 0	2.12	0.98	
8/12/87	23.6	11.1	0.00	8.38	4.86	88	46	1042	1153	28.8	21.2	24.6	22.3	3.13	2.63	326	32 18	1.63	0.64	
8/13/87	27.6	7.3	0.00	3.30	6.86	89	29	1050	1162	31.1	17.5	25.3	20.2	1.57	0.84	139	55 43	1.36	0.92	
8/14/87	23.6	16.9	0.00	5.59	2.62	87	77	1060	1172	25.4	21.9	23.9	22.2	3.33	3.09	122	22 20	2.02	0.40	
8/15/87	31.8	17.1	10.41	4.32	5.95	87	68	1074	1186	29.7	20.1	24.9	21.2	3.80	2.78	165	42 41	2.34	0.63	
8/16/87	23.6	13.5	10.92	8.89	4.51	87	61	1083	1194	24.6	18.3	22.9	20.9	3.47	3.01	293	30 47	1.75	0.47	
8/17/87	22.5	11.9	0.00	6.35	5.28	88	61	1090	1202	24.7	16.2	21.7	18.8	3.12	2.13	302	46 51	1.47	0.47	
8/18/87	22.1	10.5	18.29	11.18	6.68	88	55	1096	1208	23.4	15.0	20.9	17.7	3.84	3.41	286	27 48	1.38	0.49	
8/19/87	24.0	8.7	0.00	6.35	6.51	88	40	1103	1215	27.3	13.9	22.0	16.9	1.90	1.54	280	35 48	1.27	0.69	
8/20/87	27.5	12.9	14.48	8.38	4.94	88	61	1113	1225	24.7	16.1	21.4	18.0	2.47	1.84	200	41 48	1.80	0.54	
8/21/87	25.2	13.4	0.00	0.76	2.55	87	56	1122	1234	23.1	16.7	20.7	18.9	2.95	0.88	332	68 48	1.82	0.49	
8/22/87	19.6	8.2	4.83	5.84	6.00	88	45	1126	1239	21.3	13.8	19.1	16.6	3.77	3.56	320	19 39	1.07	0.56	
8/23/87	19.4	4.6	0.25	7.37	6.11	89	43	1128	1244	23.4	11.3	19.4	15.0	2.24	1.87	323	33 52	0.95	0.50	
8/24/87	23.4	5.1	0.00	5.08	4.98	89	44	1132	1250	25.8	12.2	20.1	15.3	2.22	1.83	230	34 35	1.23	0.57	
8/25/87	19.0	12.9	0.00	1.02	2.78	86	59	1138	1256	22.3	16.5	19.4	17.4	2.09	1.18	130	53 0	1.35	0.45	
8/26/87	18.6	12.8	0.25	5.59	2.30	87	76	1144	1262	21.3	16.1	18.8	17.1	2.48	2.17	50	29 37	1.43	0.29	
8/27/87	20.3	12.3	0.25	1.78	2.65	87	62	1150	1268	22.6	15.7	18.7	16.7	1.58	0.20	217	76 50	1.41	0.34	
8/28/87	24.4	8.7	0.25	2.03	5.71	92	46	1157	1276	27.2	14.1	21.1	16.0	1.45	1.08	260	41 61	1.33	0.60	
8/29/87	26.4	9.9	0.00	6.60	5.56	87	60	1165	1284	27.0	15.0	21.4	17.0	3.86	2.39	202	50 52	1.61	0.61	
8/30/87	19.6	8.4	0.76	5.84	4.97	87	45	1169	1288	23.2	15.5	20.2	17.5	5.26	5.08	314	15 3	1.14	0.54	
8/31/87	19.2	3.1	0.00	5.59	6.09	88	37	1170	1293	23.6	11.8	19.2	15.3	2.96	2.68	302	25 51	0.89	0.52	
MONTHLY	MEAN 24.8	MEAN 11.8	TOTAL 74.41	TOTAL 183.13	MEAN 5.16	MN. 88	MN. 52	TOTL 258	TOT 267	MEAN 27.0	MEAN 17.5	MEAN 22.9	MEAN 19.5	MEAN 2.89	MEAN 2.24	MN. 246	MN. 39	MN 36	MEAN 1.60	MEAN 0.63
9/ 1/87	22.5	8.3	0.00	7.11	4.83	87	49	1175	1299	23.4	14.7	19.4	16.1	3.69	3.07	327	33 22	1.21	0.60	
9/ 2/87	23.0	4.8	0.00	3.30	6.11	88	39	1179	1306	26.3	12.8	20.4	15.4	2.00	1.30	172	48 39	1.06	0.72	
9/ 3/87	24.6	12.6	0.00	8.13	4.12	81	57	1188	1314	22.8	15.6	19.4	16.9	5.63	5.45	164	14 0	1.47	0.72	
9/ 4/87	21.5	14.6	0.00	5.84	1.87	85	73	1196	1322	20.5	16.6	18.6	17.3	2.45	1.47	174	51 39	1.67	0.40	
9/ 5/87	18.8	11.3	0.00	2.03	1.14	87	82	1201	1328	19.3	15.2	17.9	16.9	2.15	1.20	298	54 86	1.56	0.30	
9/ 6/87	24.7	10.0	0.00	2.03	5.37	93	45	1208	1335	24.4	13.6	19.7	15.4	1.27	0.69	261	54 62	1.33	0.55	
9/ 7/87	20.8	9.4	8.89	2.03	2.41	86	73	1213	1340	19.7	14.5	18.1	16.1	2.15	1.08	310	57 54	1.40	0.32	
9/ 8/87	22.4	5.9	0.25	1.52	5.37	92	31	1218	1347	23.4	12.2	18.9	14.6	1.92	1.21	267	49 39	1.02	0.65	
9/ 9/87	24.7	8.1	0.25	4.06	5.09	86	46	1224	1354	24.8	12.7	19.4	14.9	2.78	1.80	258	48 29	1.22	0.66	
9/10/87	19.7	8.5	0.00	4.83	2.55	86	65	1228	1359	19.7	13.9	17.6	15.9	3.00	1.33	281	60 36	1.29	0.31	
9/11/87	17.8	5.1	2.79	2.54	3.47	89	59	1230	1363	18.4	10.6	16.3	13.7	1.96	1.80	312	23 58	1.03	0.35	
9/12/87	14.9	2.6	0.00	2.54	2.15	89	74	1230	1365	16.0	9.8	15.0	12.9	1.57	1.11	280	44 97	0.95	0.19	
9/13/87	18.9	3.3	2.54	0.51	5.52	92	45	1231	1370	21.3	8.8	16.6	11.8	1.19	0.74	286	50 60	0.93	0.41	
9/14/87	24.0	3.4	0.00	3.30	5.54	90	39	1234	1377	23.4	9.4	17.6	12.3	1.86	1.66	179	26 55	1.05	0.67	
9/15/87	27.9	5.8	0.00	3.30	5.17	89	38	1241	1385	25.3	11.7	19.0	13.8	1.07	0.71	153	47 63	1.34	0.71	
9/16/87	24.2	11.5	0.00	3.56	2.72	86	68	1249	1393	21.5	15.0	18.0	15.7	2.39	2.12	92	27 50	1.66	0.47	
9/17/87	21.2	13.2	1.27	5.33	2.36	85	69	1256	1401	20.8	15.4	17.7	15.9	2.33	1.87	337	36 56	1.49	0.38	
9/18/87	14.2	9.5	18.54	4.06	0.63	86	82	1258	1403	16.5	12.6	16.8	13.8	2.88	2.57	299	27 99	1.14	0.22	
9/19/87	11.5	9.5	32.00	5.08	1.36	87	82	1259	1403	13.8	11.9	13.8	13.2	3.22	3.00	344	21 98	1.07	0.21	
9/20/87	17.9	10.0	1.27	1.27	2.62	84	67	1263	1407	16.3	11.4	14.4	12.5	3.48	3.15	349	25 28	1.19	0.31	
9/21/87	17.8	8.8	0.51	1.27	2.65	85	55	1266	1411	16.5	11.6	14.5	12.7	2.23	1.95	1	29 41	1.18	0.39	
9/22/87	20.9	5.3	0.00	3.10	4.79	88	50	1269	1417	19.5	9.8	15.6	11.9	2.36	2.05	282	29 60	1.10	0.50	
9/23/87	25.6	8.9	0.00	6.10	5.01	83	38	1276	1424	22.4	10.5	17.0	12.3	3.08	2.39	300	38 31	1.15	0.86	
9/24/																				

S T A P L E S

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
10/ 1/87	17.9	3.1	0.00	4.32	2.27	78	46	1306	1471	16.3	10.7	14.7	12.9	6.87	4.60	311	47	4	0.83	0.52
10/ 2/87	10.7	-1.8	0.25	4.83	4.61	84	28	1306	1471	17.1	7.5	13.7	10.7	3.89	3.26	352	33	7	0.44	0.39
10/ 3/87	17.7	-3.8	0.00	3.05	4.43	88	17	1306	1475	17.3	5.5	13.3	9.1	3.23	2.92	198	25	5	0.45	0.68
10/ 4/87	24.8	3.8	0.00	5.08	4.16	80	21	1310	1482	19.8	8.1	14.6	10.2	4.30	2.94	273	46	0	0.78	1.03
10/ 5/87	13.0	5.2	1.78	6.35	0.97	87	43	1310	1484	13.3	8.5	13.4	10.5	7.90	7.45	310	19	29	0.84	0.26
10/ 6/87	8.9	-0.5	0.25	2.29	3.18	83	51	1310	1484	13.4	6.3	11.2	9.2	5.13	4.73	338	23	1	0.59	0.25
10/ 7/87	11.4	-4.9	0.00	1.78	4.29	88	42	1310	1485	15.8	3.4	11.3	7.2	1.76	1.30	316	41	26	0.52	0.26
10/ 8/87	15.3	-0.9	0.00	2.79	2.88	87	39	1310	1487	13.4	5.4	10.7	7.9	5.02	2.24	222	60	23	0.58	0.47
10/ 9/87	5.0	-0.3	0.00	4.57	1.07	78	54	1310	1487	7.9	5.0	9.7	7.3	5.78	5.46	325	19	0	0.44	0.22
10/10/87	5.7	-5.1	0.00	2.29	3.36	82	42	1310	1487	12.2	3.7	9.1	6.4	2.63	2.09	307	37	0	0.36	0.27
10/11/87	12.4	-5.4	0.00	M	3.82	83	37	1310	1489	12.3	1.9	8.8	5.1	3.61	3.36	246	22	0	0.46	0.39
10/12/87	16.4	-5.1	0.00	0.25	3.95	88	22	1310	1492	15.4	2.5	10.2	5.5	1.29	0.52	271	63	2	0.48	0.52
10/13/87	21.4	2.4	0.00	2.79	2.53	72	21	1312	1497	13.9	5.1	10.1	6.9	3.69	2.26	221	50	0	0.55	0.80
10/14/87	10.5	5.2	0.00	6.10	0.00	73	42	1312	1498	10.7	8.0	9.1	8.5	0.51	0.20	53	63	0	0.60	0.37
10/15/87	7.2	5.5	0.00	1.02	0.33	100	65	1312	1498	8.0	7.3	8.5	7.8	2.51	2.42	101	16	68	0.85	0.12
10/16/87	7.8	4.7	1.27	M	0.36	100	97	1312	1498	8.7	6.8	8.3	7.7	2.33	2.04	341	28	99	0.97	M
10/17/87	13.6	2.2	0.00	M	3.27	100	59	1312	1499	13.3	5.4	9.7	6.7	3.29	2.09	274	49	40	0.84	0.18
10/18/87	10.3	-0.7	6.35	M	3.56	91	45	1312	1500	10.3	3.4	8.2	6.0	4.13	3.88	293	20	11	0.59	0.26
10/19/87	9.9	-2.7	0.00	M	3.02	100	40	1312	1500	8.8	2.2	7.0	4.7	3.11	2.53	283	35	14	0.52	0.24
10/20/87	3.3	-3.4	1.52	M	1.41	100	71	1312	1500	5.5	2.6	5.8	4.6	3.75	3.67	325	12	27	0.56	0.06
10/21/87	3.8	-6.8	0.00	M	2.51	98	55	1312	1500	6.2	1.7	5.1	3.7	2.76	0.97	202	65	2	0.46	0.14
10/22/87	2.2	-0.5	2.54	M	1.08	100	89	1312	1500	3.2	2.2	4.2	3.6	2.46	1.58	76	48	46	0.60	0.03
10/23/87	3.4	-0.7	0.00	M	0.72	100	78	1312	1500	4.1	2.0	4.0	3.2	1.98	1.10	220	54	19	0.60	0.05
10/24/87	5.0	-4.2	4.06	M	2.01	100	72	1312	1500	6.7	2.0	4.9	3.1	1.78	1.16	351	48	16	0.56	0.05
10/25/87	6.1	-4.6	0.25	M	1.21	100	73	1312	1500	3.9	1.4	3.8	2.8	5.42	5.25	186	14	4	0.63	0.11
10/26/87	11.2	0.7	0.00	M	1.66	95	46	1312	1500	7.0	2.8	5.4	3.8	6.52	4.17	289	49	3	0.73	0.24
10/27/87	6.3	-3.0	0.00	M	1.68	95	54	1312	1500	5.3	1.7	4.3	3.1	4.16	3.93	317	19	15	0.55	0.14
10/28/87	8.1	-3.9	0.00	M	1.50	98	53	1312	1500	6.0	1.5	4.5	2.7	1.97	1.29	182	48	4	0.55	0.19
10/29/87	13.9	0.9	0.00	M	2.97	89	49	1312	1502	8.7	1.9	5.6	3.0	3.20	2.53	178	37	11	0.65	0.30
10/30/87	12.4	0.6	0.00	M	3.13	89	50	1312	1503	10.2	2.1	6.4	3.5	2.39	1.62	28	46	1	0.67	0.26
10/31/87	14.4	1.2	0.00	M	2.98	93	49	1312	1506	10.3	3.1	6.8	4.1	3.21	3.06	134	17	4	0.73	0.26
MONTHLY	MEAN 10.7	MEAN -0.7	TOTAL 18.27	TOTAL M	MEAN 2.42	MN. 91	MN. 50	TOTL 7	TOT 39	MEAN 10.5	MEAN 4.2	MEAN 8.5	MEAN 6.2	MEAN 3.57	MEAN 2.79	MN. 243	MN. 37	MN 15	MEAN 0.61	MEAN M

W A S E C A

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
4/ 1/87	4.8	-3.2	0.00		M 3.75	98	41	0	0	3.9	1.2	2.7	1.3	6.28	5.38	327	31	M	0.44	0.22
4/ 2/87	4.1	-6.9	0.00		M 6.47	65	25	0	0	4.4	0.7	2.8	1.1	4.57	4.20	338	23	M	0.22	0.32
4/ 3/87	8.4	-9.9	0.00		M 6.51	86	21	0	0	6.3	0.6	3.8	1.0	1.63	0.59	179	65	M	0.24	0.42
4/ 4/87	14.4	-5.8	0.00		M 6.52	70	19	0	2	8.6	1.3	5.4	1.7	1.84	0.46	222	70	M	0.32	0.58
4/ 5/87	18.3	-2.7	0.00		M 6.59	66	19	0	6	8.3	2.5	5.5	2.9	1.47	1.31	47	27	M	0.42	0.81
4/ 6/87	19.8	0.0	0.00		M 6.64	63	15	0	11	9.7	3.9	6.7	4.0	0.49	0.45	30	21	M	0.37	1.02
4/ 7/87	23.4	1.3	0.00		M 6.57	64	14	2	18	11.4	4.9	8.1	5.0	0.45	0.39	13	29	M	0.42	1.27
4/ 8/87	24.8	0.8	0.00		M 6.51	66	14	5	25		M 5.5		M 5.6	1.09	0.21	125	73	M	0.45	1.33
4/ 9/87	26.1	4.3	0.00		M 5.69	71	13	10	33	15.6	6.4	11.9	6.9	5.08	3.50	222	45	M	0.54	1.21
4/10/87	17.5	2.9	0.00		M 5.92	80	20	10	37	16.1	7.6	12.4	8.0	3.44	2.80	262	35	M	0.58	0.66
4/11/87	17.1	1.1	0.00		M 4.82	95	41	10	41	14.3	7.8	11.5	8.1	2.94	1.64	14	54	M	0.75	0.42
4/12/87	22.4	1.8	0.00		M 6.27	92	20	13	47	17.2	7.0	13.2	7.7	3.58	2.28	78	49	M	0.69	0.85
4/13/87	13.2	8.7	3.30		M 1.61	94	58	14	48	12.0	9.5	11.7	9.5	3.88	3.23	85	33	M	0.97	0.28
4/14/87	13.7	8.5	0.51		M 1.50	100	76	15	50	10.2	8.9	9.5	8.7	8.13	7.98	41	11	M	1.11	0.16
4/15/87	12.7	5.0	1.52		M 1.84	100	84	15	52	11.6	8.4	9.7	8.3	3.43	2.49	34	42	M	1.10	0.05
4/16/87	25.3	-2.6	0.00		M 6.60	100	15	16	59	17.9	6.8	13.6	7.3	3.55	1.55	258	61	M	0.81	0.90
4/17/87	28.2	4.4	0.00		M 6.43	72	15	22	68	19.1	8.7	15.1	9.2	3.95	3.60	211	24	M	0.65	1.59
4/18/87	30.3	10.4	0.00		M 6.97	69	16	33	79	21.3	11.8	17.0	11.6	5.53	5.01	174	25	M	0.89	1.72
4/19/87	31.2	14.6	0.00		M 5.88	82	31	46	91	20.6	14.0	17.2	13.4	10.2	10.0	152	11	M	1.38	1.46
4/20/87	26.6	10.1	0.00		M 4.40	75	43	54	99	20.1	15.0	17.2	15.1	6.08	2.22	287	65	M	1.26	0.87
4/21/87	15.4	5.9	0.51		M 3.83	94	38	54	102	15.9	11.9	15.1	12.4	5.99	5.03	42	32	M	0.69	0.48
4/22/87	7.3	4.6	3.81		M 0.77	100	85	54	102	12.1	8.6	12.6	9.5	3.75	3.34	35	27	M	0.91	0.03
4/23/87	21.7	6.7	0.00		M 7.08	100	17	59	108	18.1	7.9	14.4	8.5	3.81	2.94	15	39	M	0.81	0.81
4/24/87	19.8	7.8	0.00	8.38	6.08	72	31	62	113	17.5	10.9	14.4	11.0	6.98	6.41	132	23	M	0.70	0.93
4/25/87	26.4	8.8	0.00	9.40	7.23	67	30	70	121	22.2	11.2	17.6	11.4	5.73	3.23	155	54	M	0.89	1.17
4/26/87	28.2	8.1	0.00	8.38	6.01	76	18	78	130	21.1	12.6	17.4	12.9	3.33	2.64	133	37	M	0.89	1.37
4/27/87	19.9	6.0	0.00	12.70	7.54	66	15	81	135	19.6	12.8	16.6	13.3	5.83	5.47	337	20	M	0.41	1.23
4/28/87	27.8	-0.4	0.00	8.64	6.97	64	14	85	144	20.1	10.2	16.7	11.4	3.55	2.81	212	37	M	0.47	1.44
4/29/87	23.7	8.1	0.00	12.19	7.28	68	13	91	151	21.6	12.6	17.9	12.9	4.39	3.53	6	36	M	0.51	1.45
4/30/87	21.4	4.4	0.00	10.16	7.43	47	16	94	156	21.5	11.8	17.8	12.6	4.24	3.27	130	39	M	0.40	1.23
MONTHLY	MEAN 19.8	MEAN 3.4	TOTAL 9.65	TOTAL M	MEAN 5.59	MN. 79	MN. 29	TOTL 94	TOT 156	MEAN M	MEAN 8.1	MEAN M	MEAN 8.4	MEAN 4.17	MEAN 3.27	MN. 143	MN. 38	MN M	MEAN 0.68	MEAN 0.88
5/ 1/87	25.0	10.7	2.29	6.60	4.52	93	24	102	164	19.2	13.8	16.5	13.7	7.19	6.25	122	29	7	0.76	1.02
5/ 2/87	18.2	10.9	0.00	4.06	2.67	100	80	106	169	16.4	13.5	15.1	13.5	6.12	5.91	89	15	0	1.44	0.11
5/ 3/87	21.0	8.1	0.00	8.89	7.07	94	21	111	174	20.0	12.7	16.9	12.8	6.45	6.27	81	14	0	0.75	0.95
5/ 4/87	22.0	4.6	0.00	9.14	8.03	50	14	114	180	21.1	11.1	17.5	12.1	4.71	4.45	106	19	0	0.43	1.16
5/ 5/87	23.2	2.8	0.00	6.86	6.97	64	14	117	187	22.3	11.3	18.2	12.3	2.66	1.48	145	54	0	0.45	1.22
5/ 6/87	25.7	6.1	0.00	10.67	7.56	48	14	123	195	22.7	12.9	18.9	13.5	3.91	2.42	350	50	0	0.57	1.44
5/ 7/87	25.9	4.3	0.00	10.41	7.37	57	15	128	203	22.7	13.1	19.0	13.9	3.27	1.28	343	63	0	0.50	1.47
5/ 8/87	29.6	5.8	0.00	13.72	7.80	48	12	136	212	24.9	13.2	20.4	14.0	3.83	2.64	240	45	0	0.49	2.01
5/ 9/87	33.7	16.7	0.00	11.68	7.39	41	11	151	226	27.0	17.1	22.3	16.7	5.44	4.03	229	41	0	0.77	2.46
5/10/87	34.3	13.6	8.38	13.97	6.70	95	13	165	238	25.9	17.7	21.9	17.7	5.73	3.45	205	51	12	1.20	1.89
5/11/87	24.0	10.9	0.00	10.67	7.97	94	17	172	245	24.5	17.4	21.1	17.5	5.79	2.48	345	61	0	1.11	1.07
5/12/87	25.8	7.8	0.00	10.16	7.99	72	14	179	253	24.2	14.1	20.6	15.4	5.53	4.72	144	31	0	0.59	1.46
5/13/87	32.2	11.5	10.92	12.02	5.93	94	24	191	264	23.9	15.6	20.5	16.2	8.01	7.13	183	27	9	1.08	1.66
5/14/87	22.2	10.1	0.00	8.64	7.87	96	24	197	270	22.6	16.3	19.9	16.8	4.43	3.69	346	33	4	1.13	0.92
5/15/87	28.0	7.9	0.00	13.46	7.79	83	17	205	279	23.2	13.5	20.2	14.8	5.25	5.00	175	18	0	0.80	1.60
5/16/87	33.5	15.3	0.00	14.26	7.93	49	13	219	292	25.5	16.9	21.8	16.9	7.09	6.85	202	15	0	0.82	2.41
5/17/87	35.1	13.6	1.27	13.21	7.70	87	14	234	303	27.4	18.4	23.4	18.3	5.56	3.84	209	45	2	1.00	2.41
5/18/87	18.9	11.2	7.11	3.56	2.64	98	87	239	308	22.3	16.8	21.9	17.7	5.37	5.07	46	19	31	1.54	0.11
5/19/87	20.0	6.1	0.25	2.03	3.26	100	88	242	313	19.7	15.3	18.0	15.8	3.72	3.48	61	20	39	1.54	0.05
5/20/87	28.6	14.2	4.32	6.10	5.16	97	53	253	325	24.1	16.7	20.9	16.5	5.73	5.32	134	22	20	2.03	0.53
5/21/87	24.4	5.7	2.03	9.40	4.77	99	74	258	332	23.4	16.2	20.6	17.6	7.42	5.56	224	41	12	1.74	0.25
5/22/87	9.4	5.7	0.00	4.32	2.31	100	82	258	332	16.2	12.4	17.6	13.5	5.06	3.92	329	39	29	0.93	0.10
5/23/87	17.8	3.7	0.00	5.08	7.43	94	52	259	336	21.2	10.7	18.0	12.0	2.75	2.02	43	42	0	0.93	0.41
5/24/87	18.9	9.5	2.03	4.57	3.45	97	56	263	340	18.3	14.0	16.6	14.4	3.84	3.62	118	19	15	1.20	0.35
5/25/87	18.4	10.8	10.67	3.56	1.98	99	81	268	345	15.9	13.7	15.5	14.1	6.43	6.18	116	16	33	1.42	0.12
5/26/87	26.3	13.9	1.52	4.57	5.14	96	62	278	355	21.0	14.1	18.1	14.1	4.59	4.00	181	29	20	1.92	0.39
5/27/87	27.9	17.6	0.25	7.37	6.42	93	59	290	368	23.7	16.8	20.4	16.4	5.98	5.57	179	21	1	2.10	0.55
5/28/87	27.6	17.5	0.00	6.86	5.64	94	55	303	380	24.4	18.0	21.3	17.7	5.78	5.51	185	18	0	2.04	0.60
5/29/87	24.3	18.0	1.27	2.79	3.02	94	75	314	391	21.8	18.9	20.2	18.5	3.59	3.02	193	32	8	2.13	0.26
5/30/87	27.3	16.1	0.00	6.86	6.16	95	47	326	403	24.9	17.7	21.8	17.7	4.07	3.64	227	26	9	1.84	0.75
5/31/87	30.0	14.3	0.00	8.89	7.24	94	26	338	415	27.1	18.3	23.4	18.4	3.64	2.89	210	37	5	1.59	1.26
MONTHLY	MEAN 25.1	MEAN 10.5	TOTAL 52.31	TOTAL 254.38	MEAN 5.93	MN. 84	MN. 40	TOTL 244	TOT 259	MEAN 22.5	MEAN 15.1	MEAN 19.6	MEAN 15.5	MEAN 5.13	MEAN 4.25	MN. 186	MN. 32	MN 8	MEAN 1.19	MEAN 1.00

W A S E C A

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
6/ 1/87	33.1	16.6	1.27	8.89	6.01	92	36	353	428	25.8	20.0	22.7	19.9	5.58	3.87	213	45	3	1.93	1.01
6/ 2/87	24.0	10.6	0.00	8.89	5.68	91	21	360	436	22.8	17.9	21.3	18.6	4.10	3.87	256	19	9	0.97	1.10
6/ 3/87	20.7	6.5	0.00	9.91	8.37	76	25	364	441	22.9	15.9	20.5	16.9	5.07	4.28	308	32	0	0.77	0.95
6/ 4/87	28.0	4.0	0.00	8.38	8.15	89	17	370	450	24.9	14.7	21.5	15.9	3.78	2.95	241	38	0	0.77	1.51
6/ 5/87	33.3	12.6	0.00	14.75	7.75	75	18	383	461	26.4	17.5	23.1	17.9	4.60	3.87	208	32	0	1.10	2.11
6/ 6/87	34.3	18.2	0.00	14.49	7.74	66	19	399	475	27.6	20.2	24.2	20.1	6.68	6.54	208	12	0	1.31	2.25
6/ 7/87	35.6	20.9	0.00	11.18	6.76	89	29	417	491	28.5	21.6	25.1	21.3	5.78	3.94	245	46	5	1.62	2.04
6/ 8/87	28.3	15.9	0.00	12.45	8.36	90	22	429	503	29.3	21.6	25.8	21.6	4.06	3.26	342	36	17	1.37	1.36
6/ 9/87	24.4	11.1	0.00	10.16	8.51	89	18	437	511	28.3	20.0	25.1	20.7	4.34	3.96	79	24	1	0.88	1.24
6/10/87	19.5	11.8	13.97	4.06	2.32	96	45	443	516	23.1	18.3	23.2	18.8	5.33	5.05	142	18	50	1.30	0.51
6/11/87	28.8	17.0	8.38	7.11	4.66	94	55	456	529	24.6	18.1	22.1	18.4	3.83	3.27	218	31	32	2.28	0.47
6/12/87	31.8	16.0	0.00	9.65	8.50	93	24	469	542	27.8	18.7	24.2	19.1	2.22	1.48	299	47	27	1.69	1.48
6/13/87	36.7	15.1	0.00	11.94	8.37	93	12	485	555	31.3	19.8	26.8	20.2	2.56	1.83	269	43	17	1.57	2.22
6/14/87	37.1	17.2	0.00	14.99	8.50	90	17	502	568	32.7	22.1	28.3	22.3	3.29	2.25	329	45	4	1.55	2.28
6/15/87	32.9	17.0	0.00	11.94	8.71	58	15	517	582	31.4	22.2	27.6	22.7	3.90	3.51	69	25	0	0.93	2.37
6/16/87	32.3	16.2	0.00	9.65	7.49	77	13	532	595	30.2	22.3	26.9	22.8	3.26	3.05	129	20	0	1.21	2.10
6/17/87	25.2	20.2	8.89	3.81	3.11	93	62	544	608	25.8	22.5	25.6	22.8	3.25	2.07	113	49	32	2.29	0.46
6/18/87	32.5	18.0	0.00	7.62	7.55	95	41	560	622	31.7	20.9	27.6	21.3	1.88	1.27	348	46	29	2.24	1.07
6/19/87	31.6	20.0	0.00	5.84	4.87	92	52	575	637	29.0	23.2	26.2	23.3	3.12	2.49	64	36	5	2.26	0.68
6/20/87	27.3	18.9	0.00	3.05	3.89	94	72	589	650	27.3	22.4	25.1	22.6	2.69	2.43	83	25	20	2.36	0.38
6/21/87	30.4	18.7	0.00	6.10	6.42	94	51	603	664	30.4	22.2	27.1	22.3	1.87	1.17	60	49	27	2.20	0.88
6/22/87	31.7	18.3	34.80	6.24	7.74	93	46	618	678	31.9	23.1	28.2	23.3	2.85	2.65	118	21	24	2.23	0.98
6/23/87	29.9	18.5	6.35	5.59	5.95	94	66	632	692	28.3	22.7	26.6	23.3	2.75	0.09	0	80	35	2.41	0.54
6/24/87	27.3	15.4	5.08	6.10	6.33	93	51	643	704	27.6	20.6	25.1	21.6	2.21	1.16	338	56	30	1.95	0.71
6/25/87	25.6	13.7	0.00	9.14	7.61	95	38	653	713	26.4	20.9	24.2	21.6	3.96	3.75	311	19	28	1.59	0.82
6/26/87	21.4	9.6	0.00	8.89	8.10	94	36	659	719	26.2	17.8	23.6	19.3	4.49	4.17	305	21	25	1.14	0.74
6/27/87	26.5	7.7	0.00	7.37	8.22	94	29	666	727	28.2	17.0	24.7	18.6	2.82	2.40	279	31	33	1.27	0.94
6/28/87	30.6	14.8	9.65	10.41	6.63	93	41	678	740	29.4	20.4	25.8	20.9	3.74	3.09	226	34	33	1.87	0.78
6/29/87	24.4	14.6	0.00	4.57	7.44	95	55	688	749	25.7	19.9	23.6	20.7	2.91	2.53	317	29	32	1.74	0.56
6/30/87	25.8	12.1	0.00	9.40	8.50	91	30	697	758	29.7	17.9	25.7	19.2	2.01	1.50	352	41	10	1.30	1.04
MONTHLY	MEAN 29.0	MEAN 14.9	TOTAL 88.39	TOTAL 262.57	MEAN 6.94	MN. 89	MN. 35	TOTL 359	TOT 343	MEAN 27.8	MEAN 20.1	MEAN 24.9	MEAN 20.6	MEAN 3.63	MEAN 2.93	MN. 216	MN. 35	MN 18	MEAN 1.60	MEAN 1.19
7/ 1/87	27.0	11.6	1.27	7.37	8.34	91	36	706	767	30.4	19.3	26.4	20.4	2.82	2.42	175	30	3	1.36	1.14
7/ 2/87	27.8	16.5	0.00	7.87	8.27	90	45	718	780	30.3	21.4	26.7	21.9	4.04	2.65	266	48	8	1.79	0.90
7/ 3/87	27.3	13.8	0.00	6.60	8.20	93	42	729	790	30.4	20.8	26.8	21.6	2.41	1.57	348	48	7	1.56	0.87
7/ 4/87	27.5	14.0	0.00	7.62	7.55	91	43	740	801	30.0	21.1	26.7	21.9	3.19	2.95	120	22	3	1.68	0.96
7/ 5/87	29.2	18.3	5.59	8.64	5.66	93	67	753	815	29.7	22.8	26.6	23.0	3.74	3.16	167	32	34	2.29	0.48
7/ 6/87	29.9	19.1	19.81	10.41	6.95	92	58	768	829	31.4	22.3	27.5	22.6	1.98	1.26	211	49	23	2.36	0.66
7/ 7/87	27.9	19.1	0.00	3.81	5.42	92	68	781	843	28.6	22.4	26.0	22.8	2.17	1.20	226	54	47	2.31	0.46
7/ 8/87	28.5	16.9	25.15	9.14	5.67	94	52	794	855	28.1	21.4	25.4	22.2	2.52	1.83	56	42	54	2.11	0.68
7/ 9/87	28.3	17.9	9.14	7.11	7.12	93	66	807	868	28.6	21.3	25.7	21.9	2.98	2.05	228	45	25	2.38	0.53
7/10/87	29.4	18.0	0.00	10.41	6.29	92	66	821	882	28.8	21.9	26.0	22.3	2.78	1.56	191	54	21	2.47	0.56
7/11/87	29.9	18.7	20.32	7.37	3.12	91	80	835	896	27.2	22.3	24.9	22.6	3.29	1.45	198	61	45	2.52	0.36
7/12/87	21.7	15.1	0.00	3.81	3.70	93	81	844	905	23.1	19.3	23.2	20.7	4.20	3.48	290	34	26	1.86	0.26
7/13/87	22.0	11.6	0.00	6.86	7.68	92	46	850	912	26.1	17.7	23.3	18.8	3.43	3.11	321	25	14	1.40	0.55
7/14/87	24.3	10.9	22.10	10.92	5.32	93	62	858	919	26.4	18.3	23.7	19.3	1.87	1.21	169	48	51	1.59	0.44
7/15/87	25.4	10.9	0.00	5.59	8.16	94	49	866	927	26.9	17.1	23.9	18.6	1.78	1.51	125	31	27	1.62	0.60
7/16/87	28.4	15.4	0.00	7.37	8.00	90	75	878	939	29.7	18.7	25.8	19.7	4.77	4.51	162	19	0	2.28	0.49
7/17/87	31.0	22.4	0.00	8.89	7.70	89	64	895	955	32.2	23.0	28.1	22.8	4.62	4.29	185	22	0	2.71	0.74
7/18/87	27.1	20.0	24.38	7.87	3.79	91	79	908	969	26.9	24.2	26.4	24.2	3.92	3.57	162	24	16	2.59	0.42
7/19/87	33.3	19.9	0.00	3.56	7.36	91	62	925	984	31.6	22.3	27.8	22.7	2.78	2.37	210	31	33	2.81	0.75
7/20/87	32.5	22.7	3.56	11.94	7.47	89	73	942	1000	34.3	24.9	30.0	24.8	3.75	3.10	202	34	16	3.08	0.70
7/21/87	30.2	19.9	0.00	6.35	7.47	91	64	958	1015	33.2	24.5	29.4	24.9	3.03	1.67	185	54	25	2.49	0.69
7/22/87	30.8	20.9	0.00	8.64	7.30	89	70	973	1031	33.2	24.4	29.6	24.9	3.94	3.68	189	21	0	2.67	0.69
7/23/87	31.8	21.9	14.22	10.41	7.40	88	66	990	1047	33.6	24.9	30.0	25.2	4.48	4.07	195	25	2	2.78	0.81
7/24/87	27.6	19.9	0.00	3.05	4.05	90	76	1004	1061	28.7	24.8	28.5	25.2	2.04	0.69	324	66	46	2.45	0.41
7/25/87	31.4	18.7	0.00	5.33	6.89	91	65	1019	1075	32.7	22.9	28.9	23.6	1.95	1.43	173	42	29	2.72	0.66
7/26/87	33.7	23.4	0.00	6.10	6.36	89	59	1038	1092	34.3	25.7	30.4	25.7	2.66	1.72	96	48	19	2.79	0.81
7/27/87	33.1	18.7	38.10	M	6.96	94	67	1054	1106	35.8	26.0	31.7	26.2	2.95	1.84	155	50	41	2.74	0.67
7/28/87	31.2	19.8	0.00	5.08	6.95	89	77	1069	1121	30.7	23.6	28.1	24.6	2.83	2.40	136	31	20	2.73	0.54
7/29/87	34.7	23.2	1.02	6.86	7.07	87	56	1088	1137	35.8	25.3	31.4	25.4	1.66	1.18	189	43	19	2.96	1.01
7/30/87	35.9	23.0	0.00	7.37	7.00	89	54	1107	1154	36.6	26.7	32.4	26.9	2.24	1.57	100	44	18	3.02	0.95
7/31/87	35.0	22.7	0.00	8.13	7.66	88	56	1126	1170	37.4	27.2	33.2	27.6	2.16	1.92	154	27	27	2.95	1.04
MONTHLY	MEAN 29.5	MEAN 18.2	TOTAL 184.66	TOTAL M	MEAN 6.67	MN. 91	MN. 62	TOTL 429	TOT 412	MEAN 30.7	MEAN 22.5	MEAN 27.6	MEAN 23.1	MEAN 3.00	MEAN 2.30	MN. 191	MN. 39	MN 23	MEAN 2.36	MEAN 0.67

W A S E C A

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
8/ 1/87	31.9	23.1	0.00	5.59	5.67	88	72	1144	1187	33.7	27.8	31.2	28.1	2.66	1.31	235	58 16	2.94	0.72	
8/ 2/87	33.5	20.2	0.00	6.86	7.27	89	58	1161	1202	36.3	26.6	32.4	27.1	1.71	0.59	338	66 35	2.74	0.89	
8/ 3/87	27.5	17.3	47.24	3.56	4.60	90	70	1173	1214	30.5	23.8	30.2	25.7	2.34	0.18	329	78 29	2.31	0.50	
8/ 4/87	22.3	13.4	0.00	6.10	5.41	90	70	1181	1222	25.9	21.2	25.7	22.9	2.18	1.89	339	29 36	1.71	0.39	
8/ 5/87	25.5	11.5	0.00	6.10	7.50	90	56	1189	1231	30.6	18.8	27.1	20.7	2.10	1.81	150	30 28	1.70	0.62	
8/ 6/87	26.5	15.7	0.00	5.08	4.78	89	59	1200	1242	28.0	22.3	26.1	23.0	2.78	1.78	214	49 15	2.06	0.61	
8/ 7/87	27.2	15.1	7.62	4.06	5.40	90	52	1212	1253	29.7	21.3	26.8	22.3	1.60	1.16	109	43 28	1.90	0.69	
8/ 8/87	20.5	16.7	48.26	2.54	0.76	90	87	1220	1261	25.2	20.5	25.4	21.4	3.21	2.35	41	42 67	1.94	0.25	
8/ 9/87	27.8	15.3	0.00	5.33	7.43	89	61	1232	1273	27.3	18.9	24.8	20.1	2.89	2.47	308	31 24	1.96	0.65	
8/10/87	28.8	14.6	0.00	6.60	7.29	90	45	1243	1285	31.4	19.7	27.3	20.9	1.78	1.39	104	38 24	1.87	0.90	
8/11/87	28.6	18.6	9.14	8.64	6.79	89	64	1257	1298	31.2	22.4	27.7	22.9	3.66	3.34	159	24 7	2.23	0.65	
8/12/87	23.2	18.7	0.00	1.52	1.64	89	82	1268	1309	25.7	21.8	25.9	22.5	2.69	1.03	211	64 31	2.13	0.34	
8/13/87	26.3	17.9	0.00	2.29	3.52	89	75	1280	1321	25.4	20.4	23.6	21.2	2.49	2.11	77	32 19	2.10	0.39	
8/14/87	25.2	18.6	0.51	0.76	1.81	89	83	1292	1333	23.9	20.7	22.6	21.1	2.36	2.13	78	25 46	2.15	0.32	
8/15/87	30.8	19.9	9.14	8.64	6.70	89	64	1307	1348	31.6	21.3	27.3	21.4	3.09	2.23	181	43 31	2.67	0.70	
8/16/87	27.0	15.8	0.00	4.83	5.43	88	70	1319	1360	27.4	21.4	25.9	22.7	3.08	1.43	286	59 46	2.11	0.49	
8/17/87	25.8	12.5	0.00	5.84	7.28	89	52	1328	1369	29.4	18.3	25.7	19.9	2.31	1.83	264	37 45	1.65	0.59	
8/18/87	24.0	13.2	0.00	6.60	6.80	88	47	1336	1377	29.2	19.5	25.8	20.7	2.67	2.22	275	33 42	1.50	0.64	
8/19/87	25.0	10.4	0.00	4.32	6.17	89	44	1344	1385	30.5	18.2	26.3	19.8	1.69	1.34	229	37 42	1.45	0.64	
8/20/87	27.3	12.5	9.65	7.37	5.83	89	60	1354	1395	30.5	19.3	26.4	20.6	2.34	1.97	159	32 36	1.87	0.63	
8/21/87	27.4	18.1	0.00	4.06	3.62	88	79	1367	1408	25.7	21.6	24.7	22.2	3.82	1.37	158	65 19	2.30	0.44	
8/22/87	20.9	9.1	0.00	5.08	5.27	89	50	1372	1413	24.8	18.0	22.8	19.6	3.32	3.01	326	24 17	1.33	0.52	
8/23/87	20.3	6.5	0.00	5.08	7.04	90	41	1375	1418	27.4	15.3	23.9	17.4	2.22	1.77	338	37 47	1.02	0.60	
8/24/87	22.3	7.5	1.27	4.32	6.09	89	44	1380	1424	28.3	16.1	24.3	17.8	1.90	1.53	204	36 32	1.16	0.58	
8/25/87	15.1	12.1	0.51	1.27	1.52	90	80	1384	1428	21.4	16.7	22.1	17.9	2.93	2.61	104	27 58	1.30	0.21	
8/26/87	15.3	12.3	0.51	1.27	0.82	89	86	1387	1432	17.4	15.9	17.9	16.9	2.76	2.47	42	26 50	1.37	0.20	
8/27/87	19.8	13.9	2.54	1.78	2.45	88	75	1394	1439	21.3	15.9	19.4	16.5	2.09	1.82	10	29 26	1.55	0.28	
8/28/87	23.0	11.6	0.00	1.52	4.36	88	59	1402	1446	24.2	16.6	21.6	17.2	1.41	0.45	14	67 53	1.49	0.46	
8/29/87	27.8	10.0	0.00	6.86	6.23	88	58	1411	1455	27.4	15.4	23.6	16.8	4.08	3.76	191	23 34	1.66	0.72	
8/30/87	21.1	9.6	0.00	6.35	6.02	88	50	1416	1460	26.2	18.3	23.3	19.2	4.12	3.62	300	28 17	1.37	0.53	
8/31/87	20.6	5.5	0.00	6.10	6.66	89	35	1419	1466	25.7	15.0	22.5	16.9	2.73	2.29	297	33 31	0.95	0.64	
MONTHLY	MEAN 24.8	MEAN 14.1	TOTAL 136.39	TOTAL 146.32	MEAN 5.10	MN. 89	MN. 62	TOTL 293	TOT 295	MEAN 27.5	MEAN 19.6	MEAN 25.2	MEAN 20.7	MEAN 2.61	MEAN 1.91	MN. 196	MN. 40	MN 33	MEAN 1.82	MEAN 0.54
9/ 1/87	27.4	7.9	0.00	6.86	6.15	88	38	1427	1474	27.6	15.8	23.6	17.2	3.55	2.55	288	43 4	1.24	0.85	
9/ 2/87	23.7	7.8	0.00	5.84	6.52	89	36	1432	1481	29.2	16.4	24.7	17.8	1.62	0.86	101	56 30	1.11	0.78	
9/ 3/87	24.2	11.4	0.00	7.11	6.11	82	48	1440	1489	27.4	17.0	23.8	18.3	4.49	4.23	156	20 0	1.31	0.77	
9/ 4/87	30.8	16.2	0.00	6.35	5.49	83	44	1454	1502	29.0	18.5	25.1	19.2	4.54	4.12	176	25 0	1.74	1.14	
9/ 5/87	30.0	18.0	0.00	5.08	4.18	87	51	1468	1516	28.3	21.1	24.9	21.2	2.84	2.19	210	39 19	2.03	0.80	
9/ 6/87	25.9	14.6	0.00	5.08	5.68	88	46	1478	1526	30.4	20.1	26.1	20.8	2.07	1.57	29	40 28	1.59	0.77	
9/ 7/87	27.0	14.5	3.56	4.32	4.64	87	45	1489	1537	29.2	20.0	25.3	20.7	2.27	1.25	78	54 26	1.62	0.68	
9/ 8/87	23.3	9.5	0.00	4.83	6.13	88	33	1495	1544	26.9	17.8	23.8	19.2	3.06	2.25	346	42 9	1.18	0.71	
9/ 9/87	21.2	7.7	0.00	3.81	3.74	87	50	1500	1549	22.7	16.0	21.1	17.7	2.98	2.70	204	25 15	1.19	0.52	
9/10/87	24.0	10.0	6.60	3.30	3.23	88	57	1506	1556	23.2	15.6	20.9	17.1	2.18	1.44	199	47 45	1.49	0.46	
9/11/87	20.9	11.3	7.11	5.08	4.82	88	43	1513	1563	22.0	16.3	20.4	17.4	2.74	2.14	333	38 44	1.23	0.51	
9/12/87	18.5	10.2	1.02	3.05	3.85	88	53	1517	1567	20.2	15.0	18.8	16.2	2.47	2.02	284	35 49	1.17	0.38	
9/13/87	20.9	8.3	0.00	4.32	6.01	88	41	1522	1572	23.2	13.8	20.4	15.3	1.80	0.65	277	65 42	1.08	0.57	
9/14/87	18.9	7.2	6.10	2.79	1.20	88	68	1525	1577	17.0	13.1	17.9	14.9	2.53	2.03	105	36 29	1.28	0.26	
9/15/87	24.3	9.6	0.51	2.29	4.34	88	65	1532	1584	21.9	12.7	19.0	14.0	2.01	1.69	99	32 39	1.60	0.42	
9/16/87	24.3	18.0	11.68	3.56	2.26	86	56	1543	1595	21.7	17.9	19.7	17.7	3.36	2.53	96	40 66	1.85	0.45	
9/17/87	20.8	12.7	0.25	2.29	1.82	88	71	1549	1602	19.5	15.9	18.6	17.0	3.25	2.91	343	26 42	1.60	0.33	
9/18/87	20.3	8.2	5.33	5.84	3.91	87	46	1554	1607	19.4	14.2	17.9	15.8	3.15	2.65	296	32 64	1.21	0.41	
9/19/87	15.1	6.9	8.38	3.56	1.82	87	79	1555	1610	16.0	12.2	15.9	13.7	2.98	2.41	293	35 82	1.09	0.19	
9/20/87	17.1	9.9	0.76	2.29	2.20	87	65	1558	1613	15.9	12.5	15.1	13.3	3.52	3.09	320	28 45	1.16	0.28	
9/21/87	18.7	8.5	0.00	2.03	3.16	89	61	1562	1617	17.4	11.0	15.7	12.4	3.04	2.82	349	22 52	1.16	0.31	
9/22/87	20.9	7.6	0.00	3.30	4.33	87	45	1566	1623	19.6	11.6	17.1	12.6	1.83	1.33	321	42 57	1.09	0.51	
9/23/87	26.2	6.7	0.00	4.83	5.49	87	26	1572	1631	23.4	11.2	19.5	12.6							

W A S E C A

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
10/ 1/87	24.8	6.2	0.00	7.62	3.67	56	30	1629	1694	20.4	12.9	18.3	14.3	6.92	4.44	280	49	0	0.73	1.06
10/ 2/87	10.7	-1.2	0.00	3.81	4.14	73	32	1629	1694	17.7	10.8	16.3	12.9	5.06	4.50	345	27	0	0.42	0.48
10/ 3/87	17.3	-3.8	0.00	5.08	4.93	85	16	1629	1698	17.8	7.5	15.4	10.1	3.39	3.13	206	23	5	0.38	0.78
10/ 4/87	26.4	7.1	0.00	4.57	4.56	54	21	1636	1706	20.2	10.2	17.2	11.6	4.39	4.21	211	17	0	0.68	1.22
10/ 5/87	15.4	7.3	0.00	4.06	0.85	82	37	1637	1708	15.3	11.9	15.7	12.9	7.65	7.25	302	18	0	0.79	0.54
10/ 6/87	11.0	3.6	0.00	1.52	3.32	81	47	1637	1709	14.3	9.9	13.4	11.4	5.91	5.41	325	23	3	0.61	0.37
10/ 7/87	11.6	-1.1	0.00	4.57	4.75	85	35	1637	1710	14.9	7.1	13.3	9.3	3.22	2.33	335	24	0	0.49	0.39
10/ 8/87	17.1	-0.3	0.00	5.59	3.67	74	24	1637	1713	14.5	6.6	12.9	8.6	5.31	3.62	190	46	0	0.49	0.74
10/ 9/87	6.3	0.8	0.00	3.05	2.91	63	48	1637	1713	11.0	7.2	11.8	9.1	5.30	4.91	313	22	0	0.42	0.36
10/10/87	6.3	-6.9	0.00	M	3.41	81	38	1637	1713	12.2	5.7	10.9	8.0	2.67	2.02	330	40	0	0.36	0.31
10/11/87	11.5	-7.8	0.00	M	4.37	83	25	1637	1714	11.6	2.7	10.1	5.4	3.57	3.25	227	24	0	0.34	0.44
10/12/87	17.6	-2.9	0.00	3.30	4.41	85	19	1637	1718	14.1	4.4	11.7	6.3	2.21	0.41	237	73	4	0.44	0.69
10/13/87	22.7	2.2	0.00	5.59	3.40	61	18	1640	1724	14.9	6.3	12.8	7.8	5.06	4.29	197	32	0	0.52	1.16
10/14/87	13.0	7.1	18.29	1.78	0.52	88	41	1640	1726	12.8	9.8	12.5	10.5	2.12	1.20	25	53	45	0.71	0.51
10/15/87	12.2	7.1	19.30	1.78	0.58	88	84	1640	1727	11.4	9.4	11.0	9.9	3.54	2.09	145	52	85	1.06	0.18
10/16/87	11.8	5.7	5.33	2.29	1.36	86	75	1640	1728	12.0	9.0	11.2	10.0	3.89	3.63	274	21	50	0.93	0.18
10/17/87	13.4	5.2	0.00	1.52	3.29	87	60	1640	1729	13.1	7.9	11.4	8.8	4.28	2.82	266	47	15	0.85	0.23
10/18/87	9.9	-0.1	0.00	1.78	2.19	87	52	1640	1729	10.0	5.8	9.7	7.7	2.90	2.54	291	28	35	0.67	0.24
10/19/87	11.4	-2.0	1.02	2.03	3.24	86	36	1640	1730	10.1	3.6	8.8	5.5	2.29	1.96	235	30	37	0.52	0.31
10/20/87	3.9	-0.4	0.00	M	1.68	88	62	1640	1730	5.8	3.5	7.0	5.2	5.44	5.21	305	17	6	0.55	0.15
10/21/87	5.1	-4.3	0.00	M	3.14	88	47	1640	1730	7.4	1.9	6.5	3.7	3.38	1.07	256	67	5	0.47	0.20
10/22/87	7.4	-0.4	0.00	1.27	2.51	84	62	1640	1730	7.1	2.8	6.5	4.3	4.02	1.07	356	69	0	0.55	0.21
10/23/87	6.1	1.1	0.76	1.52	1.25	86	55	1640	1730	7.0	4.3	6.6	5.2	2.65	0.42	213	74	8	0.58	0.20
10/24/87	3.0	-2.5	0.00	M	0.92	88	81	1640	1730	5.6	3.2	6.1	4.8	3.15	1.44	335	60	20	0.56	0.10
10/25/87	10.1	-3.1	0.00	M	2.68	88	52	1640	1730	7.5	1.6	6.3	3.2	5.06	4.83	172	17	8	0.57	0.22
10/26/87	10.9	-1.1	0.00	M	1.25	87	49	1640	1731	7.8	3.8	6.9	4.7	5.16	3.15	269	51	1	0.68	0.26
10/27/87	8.3	-3.1	0.00	M	2.35	85	51	1640	1731	6.6	2.1	6.0	3.7	4.26	3.93	304	23	4	0.50	0.23
10/28/87	8.1	-4.1	0.00	M	1.54	86	46	1640	1731	6.7	1.7	5.9	3.2	2.53	1.07	160	62	0	0.47	0.27
10/29/87	15.5	1.8	0.00	M	3.19	69	38	1640	1733	10.2	3.4	8.1	4.3	4.87	4.24	153	29	0	0.57	0.52
10/30/87	14.9	0.9	0.00	M	3.42	85	36	1640	1736	11.9	4.4	9.4	5.4	3.11	2.12	39	46	18	0.61	0.50
10/31/87	14.3	3.0	1.27	M	1.95	86	61	1640	1738	10.1	5.3	8.7	6.2	5.11	4.94	106	15	15	0.81	0.32
MONTHLY	MEAN 12.2	MEAN 0.5	TOTAL 45.97	TOTAL M	MEAN 2.76	MN. 81	MN. 44	TOTL 16	TOT 52	MEAN 11.7	MEAN 6.0	MEAN 10.6	MEAN 7.6	MEAN 4.14	MEAN 3.14	MN. 239	MN. 39	MN 12	MEAN 0.59	MEAN 0.43

WESTPORT

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
4/ 1/87	3.2	-4.5		M	M	4.50	93	44	0	0	M	M	M	M	7.69	7.30	339	18	M	0.41	0.21
4/ 2/87	3.3	-7.6		M	M	6.29	81	33	0	0	M	M	M	M	4.35	4.20	332	15	M	0.29	0.24
4/ 3/87	8.2	-7.9		M	M	6.30	96	27	0	0	M	M	M	M	1.72	0.71	199	62	M	0.34	0.32
4/ 4/87	14.7	-4.6		M	M	6.25	91	23	0	2	M	M	M	M	2.29	1.81	203	37	M	0.47	0.48
4/ 5/87	18.5	-3.5		M	M	6.33	95	22	0	7	M	M	M	M	1.92	1.48	72	39	M	0.54	0.64
4/ 6/87	21.1	-0.7		M	M	6.41	88	18	0	12	M	M	M	M	2.44	2.07	46	32	M	0.51	0.85
4/ 7/87	22.8	0.1		M	M	6.30	86	16	2	19	M	M	M	M	2.36	1.95	356	34	M	0.56	1.01
4/ 8/87	24.3	0.9		M	M	6.51	99	15	4	26	M	M	M	M	2.43	2.24	235	23	M	0.61	1.07
4/ 9/87	23.5	1.8		M	M	5.32	97	20	7	32	M	M	M	M	4.67	3.45	220	41	M	0.70	0.70
4/10/87	14.5	-0.9		M	M	4.77	100	43	7	35	M	M	M	M	3.13	2.32	218	41	M	0.73	0.23
4/11/87	16.8	1.8		M	M	5.57	100	31	7	38	M	M	M	M	3.30	2.94	24	27	M	0.75	0.46
4/12/87	19.7	0.7		M	M	5.57	99	34	7	43	M	M	M	M	2.13	1.48	4	45	M	0.83	0.54
4/13/87	13.1	6.7		M	M	2.51	76	59	7	45	M	M	M	M	5.67	5.45	33	16	M	0.84	0.40
4/14/87	18.0	4.0		M	M	6.06	80	36	8	49	M	M	M	M	5.63	5.29	43	20	M	0.68	0.66
4/15/87	20.8	0.5		M	M	6.65	98	37	9	54	M	M	M	M	2.64	1.16	47	61	M	0.86	0.49
4/16/87	21.2	2.7		M	M	6.32	100	18	11	59	M	M	M	M	3.93	2.58	312	48	M	0.72	0.84
4/17/87	29.0	5.3		M	M	6.60	88	19	18	69	M	M	M	M	3.39	2.34	244	45	M	0.85	1.29
4/18/87	31.0	8.5		M	M	6.78	87	14	28	79	M	M	M	M	6.09	5.53	174	24	M	0.90	1.78
4/19/87	30.9	13.8		M	M	5.51	76	35	40	91	M	M	M	M	7.51	7.26	153	15	M	1.44	1.31
4/20/87	20.7	5.1		M	M	2.53	97	60	43	96	M	M	M	M	6.25	5.73	334	23	M	1.10	0.25
4/21/87	14.7	0.4		M	M	6.78	92	22	43	99	M	M	M	M	5.16	4.66	28	25	M	0.54	0.52
4/22/87	17.1	0.0		M	M	0.18	86	20	43	102	M	M	M	M	1.25	0.15	328	76	M	0.55	0.62
4/23/87	17.7	2.7	0.00		M	6.89	86	17	43	106	11.2	4.0	M	3.0	4.13	3.72	14	26	27	0.48	0.91
4/24/87	16.5	8.2	0.00		M	3.24	64	39	45	109	10.0	7.5	11.6	7.4	5.07	4.68	124	22	2	0.64	0.81
4/25/87	24.4	6.6	0.00		M	7.09	89	31	51	116	15.6	7.4	20.4	7.1	2.58	1.76	96	46	13	0.95	0.87
4/26/87	27.3	8.1	0.00		M	5.36	89	17	59	125	16.1	10.5	20.5	10.4	3.41	0.37	336	76	24	0.93	1.18
4/27/87	16.7	3.0	0.00		M	7.32	68	24	59	128	14.8	9.8	18.0	8.6	5.26	4.94	332	20	5	0.48	0.84
4/28/87	27.4	0.5	0.00		M	6.89	91	18	62	137	15.6	8.3	19.6	6.8	4.28	3.46	219	29	27	0.65	1.24
4/29/87	19.6	4.5	0.00		M	7.54	67	15	65	142	16.4	10.7	20.2	10.0	4.74	4.47	14	19	2	0.49	1.09
4/30/87	19.6	1.6	0.00		M	5.60	69	20	65	147	14.6	9.4	17.8	7.9	3.83	3.05	137	37	8	0.54	0.89
MONTHLY	MEAN 19.2	MEAN 1.9	TOTAL M	TOTAL M	MEAN 5.67	MN. 88	MN. 28	TOTL 65	TOT 147	MEAN M	MEAN M	MEAN M	MEAN M	MEAN M	MEAN 3.98	MEAN 3.28	MN. 174	MN. 35	MN M	MEAN 0.68	MEAN 0.76
5/ 1/87	17.9	8.6	1.02		M	3.07	96	56	68	151	12.9	10.8	15.1	10.3	4.71	4.11	107	29	44	1.03	0.35
5/ 2/87	17.6	7.4	0.00		M	5.01	96	45	71	154	13.9	9.1	16.8	8.4	4.77	4.55	88	18	25	1.02	0.46
5/ 3/87	19.7	4.9	0.00		M	7.67	58	19	73	159	16.6	9.6	20.7	8.7	4.04	3.78	85	21	0	0.56	0.93
5/ 4/87	20.6	0.3	0.00		M	7.28	78	18	74	165	17.1	9.6	21.6	7.9	2.92	2.47	131	32	0	0.51	0.97
5/ 5/87	22.4	3.8	0.00		M	6.65	73	21	77	171	17.6	10.7	21.4	9.4	3.23	2.75	211	31	1	0.65	1.11
5/ 6/87	21.9	6.7	0.00		M	7.45	95	19	81	177	18.9	12.2	23.3	11.6	3.86	2.73	350	44	12	0.76	1.05
5/ 7/87	23.7	5.9	0.00		M	7.44	74	18	86	184	18.2	12.3	22.4	11.2	3.34	2.14	355	49	0	0.66	1.25
5/ 8/87	28.4	3.4	0.00		M	7.59	97	15	92	193	19.7	11.3	24.4	9.6	3.64	2.94	226	35	21	0.76	1.60
5/ 9/87	29.2	14.2	0.00		M	7.06	70	23	103	205	22.4	14.7	27.7	14.6	3.35	0.51	309	75	0	1.08	1.65
5/10/87	32.5	13.8	3.30		M	5.25	65	17	117	216	20.8	16.1	25.7	15.7	4.09	1.82	179	60	9	1.06	1.52
5/11/87	18.8	4.1	0.00		M	7.89	95	31	118	221	19.6	14.0	23.2	12.9	5.10	4.76	340	21	9	0.80	0.88
5/12/87	24.4	2.7	0.00		M	5.74	96	20	121	228	17.7	12.5	20.4	10.8	5.84	5.42	174	22	23	0.74	1.20
5/13/87	26.9	11.3	19.81		M	4.65	98	30	131	237	18.3	14.1	21.3	13.8	5.98	4.01	184	47	29	1.61	0.62
5/14/87	22.5	9.4	0.00		M	7.84	94	29	137	243	19.6	13.4	23.6	12.4	3.46	3.13	339	25	16	1.04	0.83
5/15/87	30.2	8.1	0.00		M	6.94	92	24	146	253	20.6	13.7	24.6	12.8	5.97	5.79	197	14	25	1.10	1.50
5/16/87	33.4	17.6	0.00		M	7.50	61	25	161	267	23.7	16.8	28.5	16.9	6.47	6.31	214	13	0	1.32	2.11
5/17/87	23.1	9.4	3.81		M	6.20	96	37	167	274	22.7	17.7	27.2	15.8	5.20	4.11	57	37	37	1.45	0.45
5/18/87	9.5	5.7	6.60		M	1.10	99	94	167	274	17.7	11.3	15.8	10.0	4.92	4.76	66	15	82	0.98	0.03
5/19/87	15.8	5.6	0.25		M	2.95	100	87	168	277	14.8	10.5	17.2	9.5	1.92	1.60	83	33	46	1.26	0.09
5/20/87	20.6	12.4	33.02		M	2.27	98	89	175	283	16.0	12.9	18.1	13.0	3.59	3.05	108	31	40	1.76	0.10
5/21/87	19.0	5.2	32.51		M	1.80	100	92	177	288	17.0	13.3	19.3	11.7	4.49	1.49	350	66	96	1.60	0.05
5/22/87	9.2	3.7	1.27		M	2.96	96	83	177	288	13.3	10.7	13.6	9.3	4.10	3.47	16	32	43	0.88	0.10
5/23/87	16.3	6.0	0.00		M	4.73	96	73	178	291	15.3	10.2	18.3	9.4	1.87	1.30	150	45	16	1.09	0.19
5/24/87	18.7	8.4	0.00		M	4.14	96	64	181	295	15.3	11.6	17.6	11.0	3.13	2.95	139	20	31	1.28	0.34
5/25/87	13.6	11.0	50.04		M																

WESTPORT

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
6/ 1/87	25.7	13.8	0.00		M 5.33	93	51	257	371	22.8	19.3	26.1	18.8	5.08	2.62	242	56	5	1.81	0.61
6/ 2/87	22.8	10.4	2.03		M 6.54	91	28	264	377	21.6	16.3	25.2	14.9	4.33	3.83	258	28	39	1.14	0.71
6/ 3/87	17.4	7.1	0.00		M 8.10	89	42	266	381	20.9	15.0	24.4	13.6	4.86	4.30	307	28	7	0.98	0.52
6/ 4/87	26.9	7.3	0.00		M 8.41	89	24	273	389	23.2	14.4	27.8	12.8	4.35	3.38	258	38	24	1.12	1.14
6/ 5/87	27.7	10.4	0.00		M 8.28	92	39	282	398	24.9	16.6	29.8	15.6	3.37	2.98	105	28	24	1.34	1.05
6/ 6/87	34.1	14.2	0.00		M 7.57	90	35	296	411	26.5	18.7	31.6	18.2	3.60	3.18	204	28	30	1.82	1.47
6/ 7/87	30.5	15.4	0.00		M 4.00	91	45	309	423	24.7	21.0	28.8	20.7	2.83	1.38	309	58	0	1.91	0.93
6/ 8/87	21.3	8.6	0.00		M 7.13	95	64	314	429	24.7	18.3	29.1	17.3	4.07	3.69	346	25	39	1.50	0.38
6/ 9/87	22.5	5.6	0.00		M 8.50	98	31	318	435	25.3	16.5	30.2	14.5	2.63	2.15	108	34	32	0.97	0.87
6/10/87	17.2	11.8	12.70		M 1.99	96	60	323	440	21.8	16.6	20.9	16.4	6.22	5.89	144	19	62	1.43	0.19
6/11/87	30.4	15.3	0.76		M 8.23	95	34	335	452	24.7	16.4	29.6	16.5	4.21	3.61	250	31	36	1.95	0.90
6/12/87	30.9	13.0	0.00		M 8.43	95	33	347	464	27.3	18.4	32.7	17.5	2.47	2.08	275	32	43	1.69	1.27
6/13/87	35.1	15.4	0.00		M 8.31	93	22	363	476	29.2	20.3	34.7	19.7	2.89	2.41	269	33	39	1.77	1.76
6/14/87	31.1	14.8	0.00		M 8.53	91	21	375	489	29.8	21.8	35.1	21.2	4.18	3.42	356	35	30	1.57	1.50
6/15/87	31.2	10.6	0.00		M 8.20	96	22	386	499	29.2	21.1	34.2	19.8	2.27	1.79	114	37	17	1.35	1.55
6/16/87	32.1	13.5	0.00		M 8.09	93	33	399	511	28.7	21.4	33.2	20.3	4.36	4.02	144	23	16	1.52	1.73
6/17/87	27.2	17.9	2.29		M 3.78	95	56	412	523	25.9	22.4	27.6	22.1	3.77	2.65	187	44	45	2.27	0.41
6/18/87	30.5	16.0	0.00		M 7.48	96	40	425	536	29.2	20.5	34.2	19.9	2.60	2.18	341	32	32	1.94	1.11
6/19/87	32.5	14.2	0.00		M 8.09	93	35	438	549	30.3	21.8	35.7	20.9	2.52	2.18	65	30	24	M 1.33	
6/20/87	26.1	16.2	0.00		M 3.73	93	73	450	560	27.2	23.2	28.9	22.9	2.24	1.92	98	31	12	2.14	0.40
6/21/87	30.6	16.8	0.00		M 5.91	95	57	463	573	28.3	21.9	32.6	21.6	1.74	1.08	109	50	44	2.26	0.67
6/22/87	32.6	17.4	0.00		M 7.96	95	46	478	587	30.4	22.7	35.6	22.3	3.27	2.88	156	28	31	2.33	1.07
6/23/87	27.0	15.8	18.80		M 7.43	94	45	490	598	27.5	23.2	30.8	22.7	4.05	1.97	269	58	38	2.06	0.67
6/24/87	26.2	13.6	0.00		M 4.74	96	49	499	608	24.8	20.9	26.5	19.9	2.22	0.86	228	63	34	1.75	0.68
6/25/87	23.9	12.6	0.00		M 8.20	96	39	508	616	26.8	19.7	31.3	18.6	4.59	4.23	314	23	33	1.34	0.82
6/26/87	20.8	10.0	0.00		M 7.17	93	38	513	622	25.3	19.3	28.9	17.8	5.24	5.02	320	17	14	1.11	0.70
6/27/87	26.7	8.0	0.00		M 7.24	95	29	520	630	26.1	18.7	31.3	17.5	3.14	2.32	282	41	33	1.23	1.05
6/28/87	29.2	13.4	0.00		M 5.97	94	45	532	641	26.3	20.4	31.3	19.9	2.20	0.96	65	61	51	1.78	0.63
6/29/87	23.6	11.6	3.05		M 7.31	95	40	539	649	27.8	20.6	32.8	20.2	3.99	3.81	343	17	42	1.42	0.63
6/30/87	25.1	8.9	0.00		M 7.48	96	36	546	656	27.8	19.6	32.4	18.2	1.75	0.62	7	65	32	1.22	0.99
MONTHLY	MEAN 27.3	MEAN 12.6	TOTAL 39.62	TOTAL M	MEAN 6.94	MN. 94	MN. 40	TOTL 299	TOT 295	MEAN 26.3	MEAN 19.6	MEAN 30.4	MEAN 18.7	MEAN 3.50	MEAN 2.78	MN. 216	MN. 36	MN 30	MEAN M	MEAN 0.93
7/ 1/87	28.0	11.0	4.83		M 4.62	94	41	556	666	24.8	20.4	28.0	19.4	4.60	3.85	181	33	61	1.60	0.66
7/ 2/87	24.2	13.0	0.00		M 6.82	95	59	564	675	25.4	18.8	29.7	18.0	4.33	3.60	308	33	36	1.72	0.48
7/ 3/87	27.1	10.6	0.00		M 8.33	95	41	573	683	28.1	18.9	33.6	17.8	2.51	2.09	6	33	44	1.54	0.75
7/ 4/87	27.1	11.1	0.00		M 7.25	95	44	582	693	26.5	20.7	30.7	19.9	4.03	3.51	147	29	29	1.72	0.82
7/ 5/87	25.7	17.6	9.65		M 4.71	94	75	594	704	24.4	21.3	27.1	21.3	2.72	0.72	201	70	56	2.17	0.33
7/ 6/87	31.0	16.2	0.00		M 7.02	95	52	608	717	28.2	20.4	33.0	20.1	1.25	0.26	120	72	50	2.21	0.77
7/ 7/87	29.8	15.1	1.78		M 7.16	93	50	620	730	29.3	22.7	34.5	22.9	2.39	1.26	281	56	44	2.16	0.81
7/ 8/87	30.4	12.4	0.00		M 7.20	95	35	631	741	29.3	21.8	34.6	20.8	2.09	1.60	36	39	31	1.62	1.27
7/ 9/87	30.5	16.1	3.81		M 7.19	92	38	645	754	30.1	23.1	35.1	22.8	2.80	1.79	157	49	17	1.93	1.10
7/10/87	31.3	18.2	0.00		M 6.68	93	56	659	768	29.7	23.1	34.4	22.8	3.10	2.24	215	43	22	2.42	0.67
7/11/87	27.7	19.2	4.83		M 6.17	93	70	673	781	29.2	23.9	33.6	23.8	3.36	1.97	304	52	40	2.36	0.43
7/12/87	19.2	13.0	0.00		M 3.79	94	72	679	788	26.2	21.1	25.7	19.8	5.23	4.99	321	17	33	1.64	0.31
7/13/87	22.5	9.3	0.00		M 7.23	95	43	685	794	25.1	18.2	29.1	16.5	3.23	2.89	334	26	29	1.32	0.59
7/14/87	24.8	7.9	0.00		M 6.11	96	44	691	801	25.1	18.8	28.3	17.4	1.91	1.41	119	41	32	1.32	0.70
7/15/87	27.0	11.0	0.00		M 7.48	95	46	700	810	27.1	19.7	31.3	18.8	3.31	2.99	173	25	28	1.63	0.82
7/16/87	33.0	17.1	0.00		M 7.94	90	40	715	824	28.2	21.3	32.7	21.0	7.56	7.40	179	12	0	2.16	1.16
7/17/87	32.8	22.7	0.00		M 6.17	90	59	733	840	29.3	23.9	33.6	24.3	5.80	5.63	186	14	0	2.77	0.89
7/18/87	27.2	19.3	44.20		M 2.10	94	77	746	853	27.2	23.3	27.6	23.2	5.52	5.21	158	19	31	2.58	0.35
7/19/87	30.5	19.4	0.00		M 7.39	92	59	761	868	26.9	21.8	30.3	21.8	3.56	2.07	273	52	12	2.42	0.63
7/20/87	30.4	17.5	25.15		M 4.23	94	72	775	882	25.1	21.7	28.0	21.5	3.22	1.28	82	63	35	2.47	0.43
7/21/87	31.6	17.9	0.25		M 7.61	94	68	790	896	26.9	21.4	30.4	20.9	3.83	3.34	166	29	34	2.65	0.60
7/22/87	32.3	23.1	0.00		M 7.45	88	64	808	912	28.5	23.0	32.4	23.0	6.84	6.69	189	12	0	2.86	0.84
7/23/87	29.3	20.6	14.48		M 3.88	93	76	823	927	26.3	23.6	29.0	23.5	3.14	0.65	79	72	11	2.66	0.41
7/24/87	27.3	17.5	0.00		M 7.48	93	57	835	940	27.2	22.1	30.2	21.3	2.55	2.21	357	29	35	2.09	0.69
7/25/87	31.4	16.1	10.67		M 6.08	93	66	849	953	27.8	21.7	31.9	20.8	2.43	1.50	118	50	58	2.50	0.53
7/26/87	28.5	19.9	2.03		M 5.44	92	77	863	967	26.5	22.9	29.2	22.6	2.97	2.50	91	32	31	2.56	0.41
7/27/87	31.8	20.8	0.00		M 6.95	92	80	879	982	29.1	22.9	33.1	22.7	2.95	2.69	110	24	7	2.88	0.47
7/28/87	31.8	19.7	0.00		M 5.92	92	76	895	997	29.1	23.8	32.9	23.3	2.62	2.18	124	33	41	2.86	0.47
7/29/87	32.9	19.0	2.79		M 6.77	92	69	911	1012	30.3	24.1	34.3	23.6	2.33	1.80	88	38	28	2.95	0.68
7/30/87	32.3	21.2	0.00		M 7.12	92	75	928	1027	31.8	25.2	36.2	24.8	3.04	2.76	118	25	14	3.07	0.58
7/31/87	35.5	21.6	0.00		M 7.16	91	54	946	1043	32.4	26.1	36.7	25.7	3.97	3.42	145	30	0	3.03	0.91
MONTHLY	MEAN 29.2	MEAN 16.6	TOTAL 124.46	TOTAL M	MEAN 6.37	MN. 93	MN. 59	TOTL 400	TOT 386	MEAN 27.8	MEAN 22.0	MEAN 31.5	MEAN 21.5	MEAN 3.52	MEAN 2.79	MN. 173	MN. 37	MN 29	MEAN 2.25	MEAN 0.66

WESTPORT

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF
8/ 1/87	30.9	21.7	1.27		M 3.27	92	69	962	1059	29.9	26.6	30.8	25.7	2.28	1.21	296	56	25	2.84	0.47
8/ 2/87	33.7	18.7	0.00		M 6.91	94	56	979	1073	31.9	24.1	36.4	23.0	1.91	0.59	106	67	35	2.75	0.88
8/ 3/87	26.1	15.1	2.29		M 5.46	91	45	989	1084	29.3	25.2	30.8	23.7	3.52	2.56	330	42	9	1.91	0.76
8/ 4/87	24.1	12.6	0.00		M 5.73	94	55	998	1092	27.3	21.7	30.0	19.7	2.20	1.84	358	33	42	1.61	0.48
8/ 5/87	25.5	10.9	0.00		M 5.89	94	64	1006	1100	26.3	21.2	28.9	19.4	4.64	4.42	164	18	33	1.79	0.57
8/ 6/87	26.0	13.0	0.00		M 5.43	93	55	1015	1110	26.7	21.8	29.7	20.8	3.29	1.87	297	53	23	1.81	0.55
8/ 7/87	27.7	10.8	0.00		M 6.46	93	60	1024	1119	28.2	20.7	31.8	19.1	1.50	0.94	141	50	34	1.63	0.91
8/ 8/87	22.5	15.3	10.16		M 1.58	93	76	1033	1128	25.9	21.2	25.7	19.9	1.87	0.82	30	61	45	1.88	0.29
8/ 9/87	27.5	13.3	0.00		M 7.28	93	47	1044	1138	26.4	19.0	30.1	17.7	3.20	2.39	324	41	41	1.77	0.73
8/10/87	28.0	12.2	0.00		M 7.05	93	54	1054	1148	27.3	20.3	31.4	19.0	3.95	3.54	142	26	33	1.88	0.73
8/11/87	29.5	18.3	0.00		M 6.00	92	62	1068	1162	27.1	22.0	30.4	21.6	6.48	6.29	174	14	0	2.32	0.69
8/12/87	23.2	10.9	0.51		M 4.56	93	49	1075	1169	25.6	22.4	28.1	22.1	4.04	2.78	331	45	21	1.79	0.48
8/13/87	26.4	8.5	0.00		M 6.94	94	60	1082	1177	26.6	20.0	30.2	18.9	1.93	1.43	89	41	33	1.70	0.59
8/14/87	22.7	17.7	0.00		M 2.27	92	85	1092	1188	24.9	22.8	25.3	22.9	3.46	3.13	128	25	54	2.13	0.24
8/15/87	33.1	18.9	14.73		M 6.26	92	67	1108	1202	28.1	22.1	32.2	22.5	4.29	3.06	151	43	37	2.64	0.62
8/16/87	23.9	14.1	0.00		M 5.30	92	63	1117	1211	24.8	22.2	26.6	21.0	3.32	2.93	301	28	32	1.91	0.45
8/17/87	24.7	11.7	0.00		M 6.77	93	46	1126	1219	25.4	19.1	28.8	17.7	2.81	2.37	269	32	32	1.55	0.63
8/18/87	23.7	11.8	0.00		M 6.52	92	46	1133	1227	25.1	19.8	28.2	18.8	3.68	3.30	285	26	2	1.43	0.66
8/19/87	26.0	8.8	0.00		M 6.52	94	36	1141	1235	25.9	18.8	29.9	17.4	1.76	0.97	251	54	39	1.31	0.76
8/20/87	28.7	11.3	0.25		M 5.86	93	60	1151	1245	26.2	19.8	30.6	18.9	3.12	2.66	191	31	35	1.91	0.54
8/21/87	26.7	13.9	0.25		M 3.41	92	52	1161	1255	24.7	21.5	27.3	21.4	3.71	0.90	334	71	34	2.02	0.48
8/22/87	20.4	6.3	0.00		M 6.15	93	40	1164	1261	23.6	18.8	26.4	17.6	3.79	3.61	331	18	24	1.11	0.59
8/23/87	20.5	2.6	0.00		M 6.78	95	38	1166	1266	23.9	16.9	27.6	15.1	2.08	1.37	340	47	45	0.94	0.62
8/24/87	23.7	5.8	0.00		M 4.58	93	41	1171	1273	22.8	17.6	26.3	16.6	2.71	2.49	209	23	31	1.17	0.67
8/25/87	19.0	10.9	0.00		M 3.09	93	56	1176	1278	21.3	18.6	23.6	18.3	2.54	2.18	143	30	9	1.30	0.40
8/26/87	19.3	12.9	0.00		M 1.87	93	69	1182	1284	20.2	18.2	22.3	18.2	2.63	2.37	30	25	26	1.50	0.23
8/27/87	18.8	10.7	0.51		M 2.18	93	74	1186	1288	19.8	17.6	21.6	17.6	1.98	1.03	20	56	42	1.53	0.23
8/28/87	25.0	6.5	0.00		M 5.67	94	43	1192	1296	23.2	15.9	27.4	14.9	1.78	1.15	266	48	47	1.31	0.62
8/29/87	28.9	8.6	0.00		M 5.73	93	50	1201	1305	23.9	17.3	28.2	16.5	4.04	2.37	209	52	35	1.67	0.70
8/30/87	21.0	4.8	0.00		M 5.05	90	44	1204	1311	22.3	18.8	25.1	18.1	4.91	4.69	316	17	0	1.16	0.57
8/31/87	21.6	2.1	0.00		M 6.03	94	22	1206	1317	21.6	15.4	25.1	13.7	2.65	2.07	298	38	30	0.81	0.72

MONTHLY	MEAN 25.1	MEAN 11.6	TOTAL 29.97	TOTAL M	MEAN 5.25	MN. 93	MN. 54	TOTL 260	TOT 274	MEAN 25.4	MEAN 20.2	MEAN 28.3	MEAN 19.3	MEAN 3.10	MEAN 2.37	MN. 221	MN. 39	MN 30	MEAN 1.71	MEAN 0.58
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9/ 1/87	22.1	8.1	0.00		M 5.49	93	52	1211	1323	22.1	16.7	25.1	16.2	4.16	3.15	323	40	12	1.24	0.62
9/ 2/87	23.6	5.1	0.00		M 6.18	94	40	1215	1330	23.3	16.0	27.5	14.7	2.45	1.92	156	38	36	1.12	0.73
9/ 3/87	27.4	12.1	0.00		M 5.12	88	44	1225	1339	22.6	17.7	25.9	17.3	6.28	6.15	164	12	0	1.48	0.84
9/ 4/87	25.5	15.2	1.02		M 2.68	96	70	1235	1350	22.7	18.8	25.3	18.7	3.20	1.15	150	65	3	1.91	0.43
9/ 5/87	24.3	11.0	6.10		M 2.93	94	75	1243	1357	21.8	18.2	23.9	16.9	2.51	0.99	284	63	40	1.76	0.33
9/ 6/87	26.2	8.3	0.25		M 5.40	93	48	1250	1365	23.9	15.5	27.2	13.8	1.42	1.31	14	23	2	1.38	0.65
9/ 7/87	26.5	8.2	0.00		M 5.07	87	51	1257	1374	24.3	16.8	28.1	15.7	2.93	2.70	20	23	33	1.33	0.64
9/ 8/87	24.3	6.1	0.00		M 5.60	88	27	1263	1381	23.6	16.8	28.7	15.3	2.12	0.68	317	67	7	0.94	0.89
9/ 9/87	26.4	7.0	0.00		M 5.66	M	M	1269	1389	23.7	17.2	28.6	16.8	3.38	2.52	220	41	17	M	M
9/10/87	21.8	8.6	2.29		M 3.04	M	M	1275	1395	22.1	M	24.5	M	3.03	2.04	297	46	27	M	M
9/11/87	18.0	4.7	0.25		M 3.39	M	M	1276	1399	19.2	15.2	22.3	14.7	2.20	1.78	316	36	63	M	M
9/12/87	15.7	2.8	3.81		M 2.37	M	M	1276	1402	17.6	14.5	19.1	14.2	1.94	1.54	258	37	71	M	M
9/13/87	20.3	2.1	0.00		M 5.67	M	M	1277	1407	19.8	12.1	24.6	11.5	1.39	0.64	287	60	38	M	M
9/14/87	23.5	5.6	0.00		M 5.42	M	M	1282	1414	20.7	13.9	25.2	13.6	2.92	2.57	160	28	35	M	M
9/15/87	27.9	5.8	0.00		M 5.35	M	M	1288	1423	22.9	15.5	28.2	15.5	1.83	1.31	109	43	37	M	M
9/16/87	21.8	14.7	21.84		M 1.15	M	M	1297	1431	20.7	18.7	22.3	19.7	3.00	2.80	66	21	55	M	M
9/17/87	21.8	14.3	0.51		M 2.65	M	M	1305	1439	20.1	17.7	23.1	18.7	3.45	2.99	344	30	49	M	M
9/18/87	17.6	9.8	22.61		M 3.57	M	M	1308	1443	18.7	16.4	21.5	16.4	3.34	2.76	298	34	57	M	M
9/19/87	12.9	9.6	3.05		M 1.58	M	M	1310	1444	16.5	15.0	17.1	15.5	4.05	3.82	342	19	81	M	M
9/20/87	17.3	9.9	0.00		M 2.63	M	M	1313	1448	16.3	13.9	18.4	14.1	4.49	4.29	338	17	32	M	M
9/21/87	18.7	9.0	0.00		M 3.08	M	M	1317	1452	16.7	13.5	19.0	13.5	3.13	3.00	360	16	32	M	M
9/22/87	21.6	6.4	0.00		M 5.05	M	M	1321	1458	18.9	13.2	22.7	12.9	2.07	1.62	277	38	27	M	M
9/23/87	27.9	7.7	0.00		M 5.16	M	M	1329	1467	20.3	13.8	24.7	13.5	2.91	1.88	287	48	36	M	M
9/24/87	20.5	4.1	0.00		M 4.68	M	M	1331	1472	19.5	14.1	23.3	13.4	2.13	1.86	59	29	16	M	M
9/25/87	25.7	3.9	0.00		M 4.79	M	M	1336	1480	19.6	13.6	23.6	13.1	2.95	2.29	185	38	37	M	M
9/26/87	30.6	9.8	0.00		M 4.49	M	M	1346	1490	21.2	15.4	25.4	15.5	4.13	3.72	177	26	18	M	M
9/27/87	29.1	16.1	0.00		M 4.37	M	M	1359	1503	22.6	17.8	26.8	18.5	4.66	3.63	207	38	0	M	M
9/28/87	17.4	9.8	3.30		M 2.27	M	M	1362	1506	20.4	16.7	21.0	16.8	4.63	3.80	268	34	42	M	M
9/29/87	20.0	8.1	1.78		M 4.78	M	M	1366	1511	18.2	14.6	21.0	14.0	5.36	5.12	323	17	30	M	M
9/30/87	17.1	4.1	0.00		M 4.70	M	M	1367	1515	18.3	13.7	21.6	12.9	3.42	1.76	338	56	0	M	M

MONTHLY	MEAN 22.4	MEAN 8.3	TOTAL 66.80	TOTAL M	MEAN 4.14	MN. M	MN. M	TOTL 161	TOT 198	MEAN 20.6	MEAN M	MEAN 23.9	MEAN M	MEAN 3.18	MEAN 2.53	MN. 231	MN. 36	MN 31	MEAN M	MEAN M
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WESTPORT

DATE	MAX AIR TEMP	MIN AIR TEMP	PRE	PAN	SOL	RH MAX	RH MIN	ACCM D.D. BASE 10	ACCM D.D. BASE 1030	MAX SOIL TEMP 10CM	MIN SOIL TEMP 10CM	MAX SOIL TEMP 20CM	MIN SOIL TEMP 20CM	WIND SPD	VECT MAG	VEC DIR	VEC STD	LF WT	VAP PR	VAP PRES DEF	
10/ 1/87	20.4	4.6	0.00		M	3.15	M	M	1370	1520	17.4	14.1	20.1	13.8	8.39	5.66	313	46	0	M	M
10/ 2/87	10.2	-2.8	0.00		M	4.54	M	M	1370	1520	15.7	12.0	18.2	11.1	5.09	4.75	348	21	0	M	M
10/ 3/87	18.8	-3.0	0.00		M	4.60	M	M	1370	1525	15.4		18.6		3.56	2.82	193	37	0	M	M
10/ 4/87	26.6	5.5	0.00		M	4.16	M	M	1376	1533	17.8		21.7		4.47	2.93	280	48	0	M	M
10/ 5/87	14.4	4.9	0.76		M	1.27	M	M	1376	1535	16.1		16.8		8.85	0.49	299	79	2	M	M
10/ 6/87	11.2	0.1	0.00		M	3.98	M	M	1376	1536	42.4		15.8		6.25	1.53	337	70	0	M	M
10/ 7/87	11.5	-3.4	0.00		M	4.30	97	43	1376	1536	13.7	7.9	17.0	6.5	2.11	1.68	325	37	6	0.55	0.27
10/ 8/87	16.7	-0.9	0.00		M	2.95	85	42	1376	1540	13.2	8.8	16.0	8.0	5.71	2.57	224	60	0	0.59	0.53
10/ 9/87	2.4	-0.3	0.00		M	1.06	71	48	1376	1540	9.4		M		5.50	5.30	338	16	0	0.43	0.24
10/10/87	5.4	-5.8	0.00		M	2.85	76	45	1376	1540	10.4	7.2	12.8	6.5	2.57	1.67	319	48	0	0.37	0.25
10/11/87	12.9	-6.5	0.00		M	4.00	81	42	1376	1541	10.7	5.6	13.6	4.6	3.73	3.52	230	19	0	0.47	0.37
10/12/87	16.8	-3.4	0.00		M	3.95	89	28	1376	1545	13.1	6.4	17.1	5.5	1.53	0.47	243	67	3	0.51	0.54
10/13/87	22.5	2.0	0.00		M	2.47	64	23	1378	1551	13.1	8.5	16.3	8.1	3.97	2.77	216	45	0	0.56	0.84
10/14/87	14.3	1.4	0.76		M	1.67	87	42	1378	1553	11.9	8.8	14.2	8.5	1.78	1.46	327	34	5	0.56	0.51
10/15/87	8.2	5.5	2.03		M	0.37	99	87	1378	1553	10.9	9.9	11.4	10.3	2.17	2.00	93	23	99	0.97	0.03
10/16/87	8.5	5.6	3.30		M	0.43	99	96	1378	1553	10.5	9.6	11.5	9.8	3.28	2.91	307	27	99	1.00	0.03
10/17/87	13.5	2.9	0.00		M	3.51	99	63	1378	1555	12.4	8.6	15.1	8.7	3.51	1.99	257	53	40	0.86	0.18
10/18/87	9.8	-2.6	0.00		M	3.62	90	46	1378	1555	11.3	7.8	13.7	7.0	4.18	3.70	296	27	0	0.60	0.27
10/19/87	9.6	-4.1	0.51		M	3.07	98	44	1378	1555	10.1	6.0	12.3	5.0	2.92	2.13	278	42	15	0.54	0.24
10/20/87	2.8	-3.4	0.00		M	1.29	97	75	1378	1555	8.4	5.9	8.0	5.3	4.58	4.50	316	11	9	0.56	0.07
10/21/87	3.5	-7.7	0.00		M	2.47	96	55	1378	1555	6.7	4.6	8.1	4.0	3.18	1.11	179	65	2	0.44	0.17
10/22/87	3.5	-1.0	0.00		M	1.11	98	73	1378	1555	6.8	5.1	8.0	4.8	3.14	2.21	53	44	0	0.59	0.09
10/23/87	6.4	-0.3	1.02		M	1.30	98	62	1378	1555	7.2	5.4	8.8	5.4	2.80	2.10	231	41	13	0.58	0.12
10/24/87	6.1	-4.5	1.78		M	2.27	98	71	1378	1555	8.1	5.2	10.2	5.0	2.95	1.58	329	55	19	0.57	0.07
10/25/87	6.2	-4.4	0.00		M	0.99	98	68	1378	1555	5.9	4.1	6.4	3.7	5.73	5.53	177	15	2	0.62	0.11
10/26/87	12.2	0.6	0.00		M	1.82	97	44	1378	1556	8.3	5.6	10.4	6.0	6.71	4.30	278	49	0	0.71	0.27
10/27/87	5.4	-4.2	0.00		M	1.35	92	62	1378	1556	6.6	4.9	7.7	4.5	4.73	4.31	312	24	0	0.52	0.18
10/28/87	9.5	-5.2	0.00		M	1.67	96	47	1378	1556	6.9	4.1	8.9	3.8	2.75	2.02	165	42	3	0.52	0.22
10/29/87	15.8	-1.5	0.00		M	3.02	87	46	1378	1559	9.2	4.4	12.5	4.1	3.06	2.34	166	39	0	0.63	0.33
10/30/87	13.1	0.1	0.00		M	3.03	88	47	1378	1560	10.3	5.6	13.5	5.3	2.48	1.95	26	37	0	0.64	0.32
10/31/87	13.4	-0.4	0.00		M	2.66	93	61	1378	1562	10.1	6.1	12.9	5.9	3.11	2.88	109	22	0	0.75	0.24
MONTHLY	MEAN 11.3	MEAN -1.0	TOTAL 10.16	TOTAL M	MEAN 2.54	MN. M	MN. M	TOTL 11	TOT 47	MEAN 11.9	MEAN M	MEAN M	MEAN M	MEAN 4.02	MEAN 2.75	MN. 244	MN. 40	MN 10	MEAN M	MEAN M	

